

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

WATERMASTER SERVICE
in the
WEST COAST BASIN
Los Angeles County

July 1, 2003 - June 30, 2004

September 2004

ARNOLD SCHWARZENEGGER
Governor
State of California

MIKE CHRISMAN
Secretary for Resources
The Resources Agency

LESTER A. SNOW
Director
Department of Water
Resources

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FOREWORD

The Department of Water Resources, as Watermaster, is pleased to submit this report on water supply conditions in the West Coast Basin during the 2003-2004 fiscal year. The report is prepared annually in accordance with the provisions of the Los Angeles County Superior Court Judgment in the West Coast Basin. The Judgment, together with Part 4, Division 2, of the California Water Code, authorizes this publication and the Department's administration of the Watermaster Service Area.

In the West Coast Basin, the Parties' allowable extraction for 2003-2004 was 77,084 acre-feet, of which 46,020 acre-feet of Adjudicated Right was extracted and 12,867 acre-feet was kept as carryover.

The report includes information not only on groundwater extractions but also on use of imported water, recycled water, recharge operations, and administration of the water exchange pool plus a financial report on Watermaster Service during the 2003-2004 fiscal year.

The Watermaster wishes to acknowledge and express appreciation for the assistance and support received from the many public and private organizations and individuals whose contributions were essential to this report.

The success of Watermaster Service is dependent on continued cooperation and communication between the Watermaster and the water users.

Mark Stuart, Chief
Southern District
and Deputy Watermaster

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PLATES

(Bound at back of report)

* Note Plates 1 and 2 have been removed.

3 Active Wells in West Coast Basin

STATE OF CALIFORNIA
Arnold Schwarzenegger, Governor

THE RESOURCES AGENCY
Mike Chrisman, Secretary for Resources

DEPARTMENT OF WATER RESOURCES
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I. INTRODUCTION

The West Coast Basin (Figure 1) is a relatively small groundwater basin underlying the southwestern part of the Los Angeles Coastal Plain. It is bounded on the north by the Ballona Escarpment, on the east by the Newport-Inglewood Uplift, and on the south and west by the Pacific Ocean. The Basin's 160 square miles include 20 incorporated cities. A substantial portion of the water they need can be pumped directly from the groundwater in storage.

In 1945, when intrusion of sea water caused by declining water levels threatened the quality of the groundwater supply, legal action was begun to halt the overdraft and prevent serious damage to the Basin. Today, groundwater extractions in the Basin are monitored by a court-appointed Watermaster (Department of Water Resources), whose primary job is to control groundwater extractions and report all significant water-related events in the Basin to the Superior Court of Los Angeles County and parties to the West Coast Basin Judgment. The Basin has been operated under the management of the Watermaster since June 1961.

Appendix A contains the continuing history of Watermaster Service operations and the duties and functions of the Watermaster.

This report summarizes the Watermaster's work, conditions of groundwater supply, quantity of water used, and groundwater replenishment and includes a financial report for the 2003-2004 fiscal year.

There are three parts to the report: (1) Introduction, (2) Summary of Water Conditions and Operations, and (3) Details of Water Use and Operations. The third part contains the figures and tables on water supply, use, and replenishment and administration costs. The appendices contain further backup data for these tables.

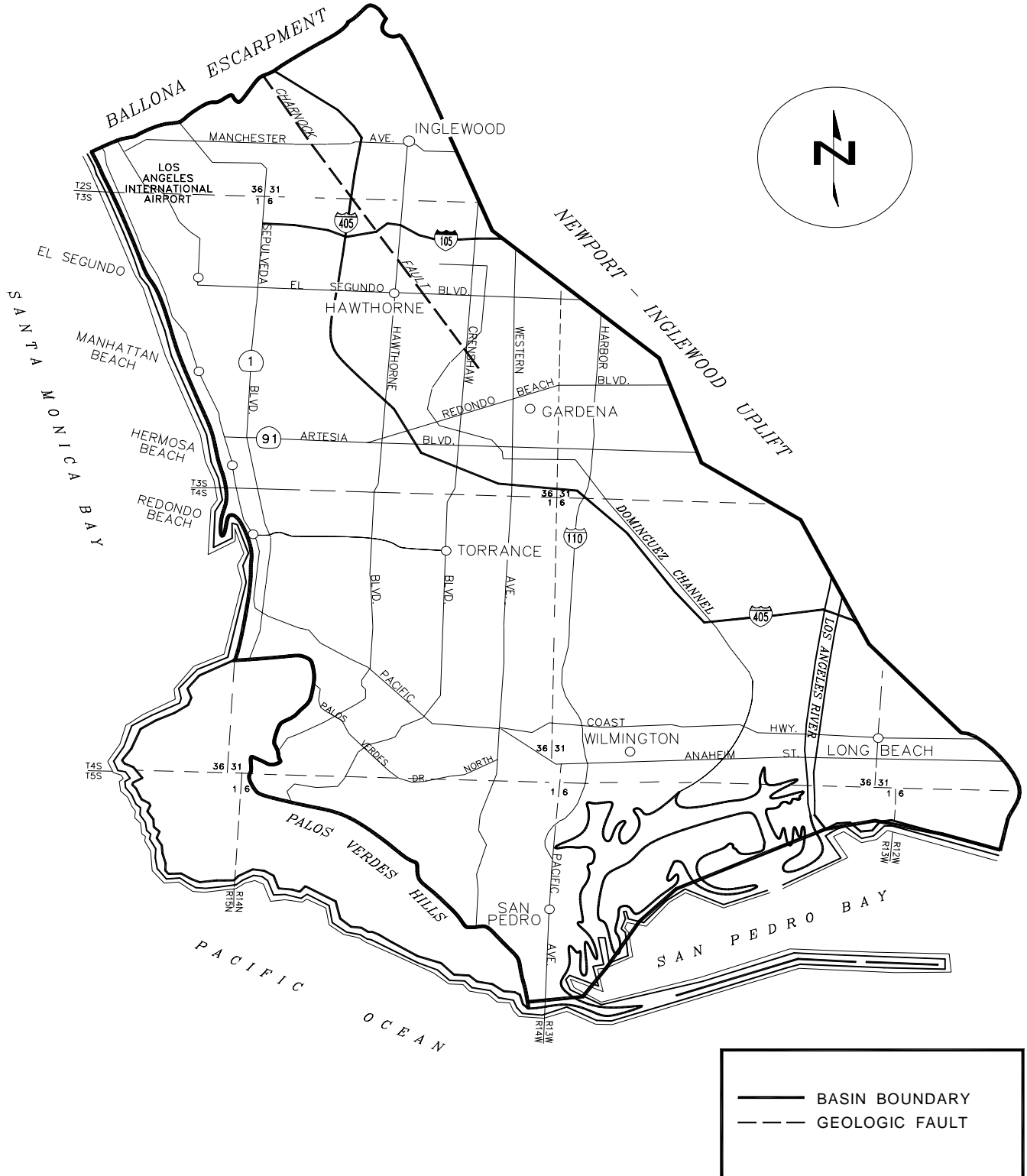


FIGURE 1 — WEST COAST BASIN

II. SUMMARY OF WATER CONDITIONS AND OPERATIONS

Tables and figures referred to in the text are for fiscal year 2003-2004.

Average Precipitation

- 8.61 inches, 68 percent of long-time average of 12.73 inches.

West Coast Basin Wells

- 821 total: 66 active, 47 inactive, 194 injection, and 514 observation.

Groundwater Level Elevations

- Generally, spring 2004 water levels were about the same as spring of 2003 (Figure 7).

Spreading Operations

- Los Angeles County Department of Public Works spread 92,316 acre-feet of water (Table 4), 34.7 percent less than last fiscal year, in the Montebello Forebay area.

Water Quality - The following averages were compiled for 2003-2004.

Mean Values of Concentrations, in mg/L

<u>Quality Factor</u>	<u>Groundwater</u>	<u>Colorado River Water at Lake Mathews</u>	<u>State Water Project Water at Castaic Lake</u>
Chloride	156	83	67
Sulfate	66	232	44
Hardness (as CaCo3)	335	286	114
TDS	640	595	268

Overextractions

- Three parties extracted a total of 171 acre-feet more than their allocation (Table 1).

Imports

- 216,778 acre-feet were imported, excluding imports by one nonparty.
- Nonparty: California-American Water Company imported 2,509 acre-feet from Central Basin groundwater basin.

Exports

- Southern California Water Company exported groundwater to portions of its service area lying west of the Palos Verdes Hills.

Water Supply and Water Use Conditions

- In 2003-2004, total water use (including recycled water use) increased by 0.4 percent over the previous year.
- Groundwater extractions have averaged about 55,000 acre-feet since 1979-80.
- In 2003-2004, West Coast Basin Parties imported 216,778 acre-feet and extracted 46,020 acre-feet of Adjudicated Rights. Extractions were less than average.
- The growing water demand has been met by supplemental sources, including imported water and recycled water supplies.

In-lieu Replenishment Program

- No in-lieu program was offered to parties this fiscal year.

Water Rights

- There were no requests for exchange pool water.
- There were 16 water right leases totaling 11,887.82 acre-feet.

On August 30, 2001, Los Angeles Superior Court Judge Robert H. O'Brien granted the motion of the Water Replenishment District of Southern California to intervene in the Judgment and declared that the Goldsworthy Desalter Project does not require an Adjudicated Right and will not cause any party's Adjudicated Right to be debited.

The Court ordered that the project may extract up to 3,300 acre-feet annually of saline water (groundwater containing greater than 1,000 parts per million chlorides) without first obtaining an Adjudicated Right and without said extractions being debited against the Adjudicated Rights of any party.

The Goldsworthy Desalter extracted 1,735.99 acre-feet from November 27, 2001 through June 2002. Chloride concentrations did not exceed 1,000 ppm and ranged from 620 ppm on November 27, 2001 to 870 ppm on June 4, 2002. The court granted a period of 135 days until June 25, 2002, during which the saline requirement did not apply and alternatives would be evaluated.

On June 24, 2002, Los Angeles Superior Court Judge Willhite extended the deadline to December 31, 2002 for meeting prescribed chloride concentration levels.

The Goldsworthy Desalter extracted 2,917.87 acre-feet from July 2003 through June 2004. Chloride concentrations exceeded 1,000 ppm and the desalter operated within the criteria prescribed by the court.

There were two permanent transfers of water right ownership during the 2003-2004 fiscal year:

- Hillside Memorial Park purchased 11.80 Adjudicated Right from Maynard Brandsma.
- Hillside Memorial Park purchased 11.80 Adjudicated Right from Terrence Thorpe.

Nonparties and Parties with Zero Adjudicated Rights

- One party with zero adjudicated rights (Desser Enterprises) leased 12.10 acre-feet and extracted 4.20 acre-feet.

2003-2004 Budget

- The tentative budget was mailed on May 9, 2003, and it became the final budget on May 30, 2003. (Table 12)
- Parties are not billed for amounts less than \$3 or if their accounts are inactive for three or more years.

Oil Recovery and Basin Cleanup

- Chevron, USA operated an oil recovery and basin cleanup program at its El Segundo refinery.
- Mobil Oil Corporation (Oil Recovery) pumped 403.62 acre-feet this year as part of a hydrocarbon clean-up program.
- California Water Service Company (Dominguez) pumped 1.26 acre-feet this year as part of the West Basin Desalter Project (Brewer Desalter).
- Water Replenishment District pumped 2,918 acre-feet at its Goldsworthy Desalter.

The following summarizes pertinent data for fiscal years 2002-2003 and 2003-2004.

Item	Fiscal year 2002-2003	Fiscal year 2003-2004
Active pumpers	29	24
Active nonparties	0	0
Adjudicated Rights, in acre-feet	64,468.25	64,468.25
Watermaster expenses, total	201,709	207,082
Watermaster expenses, per Adjudicated Right	\$3.13	\$3.21
Rainfall, in inches	12.14	8.61
Injection at barrier projects, in acre-feet (incl recycled water)	24,401	24,131
Extractions, in acre-feet*	51,437.95	49,342.77
Imports, in acre-feet**	210,867	216,778
Recycled water, in acre-feet	27,080	24,554
Exports, in acre-feet	0	0
Total water use (by parties), in acre-feet	289,385	290,675
* Includes water pumped for oil recovery production by Mobil Oil Corporation and Desalter production by California Water Service Company (Dominguez) and WRD Goldsworthy Desalter.		
** Includes barrier imports by Los Angeles County Department of Public Works.		

Tables 1, 2, and Figure 2 summarize and illustrate the Basin's operations for the fiscal year 2003-2004. The details of operations and the remaining tables and figures are given in the next section.

TABLE 1. OVEREXTRACTIONS*

In acre-feet

Party	(1) Adjudicated Right	(2) Allowable Extraction*	(3) Amount Pumped	(4) Overextraction (2) - (3)	(5) Allowable Overextraction **
Chandler Palos Verdes Sand and Gravel Company	294.20	306.04	309.65	-3.61	29.40
Hillside Memorial Park	92.30	-2.25	97.28	-99.53 ***	9.23
Pacific Crest Cemetery Co.	39.40	-16.63	50.74	-67.37 ***	3.94
Total				-170.51	
* See Table 2 for derivation.					
** Computed as 2 acre-feet or 10 percent of Adjudicated Right, whichever is greater Including carryover provisions.					
*** Violation of Judgment. Party will be required to eliminate overextractions by leasing water, buying from the Exchange Pool, reducing pumpage, or purchasing imported water.					

TABLE 2. ADJUDICATED RIGHT ACCOUNTING, 2003-2004 (acre-feet)

Party	Sales * 2003-04	Adjudicated Right 2003-04	Drought Carryover 2003-04	Normal Carryover 2003-04	Carryover from 2002-2003	Leases *		Allowable Extraction	Amount Pumped	In-Lieu	Balance	Allowable Carryover into 2004-2005			
						With Flex	Without Flex					Drought	Normal	Total	
A B C sNursery, Inc.		24.10	0.00	4.22	4.22	35.00		63.32	25.60		37.72		11.82	11.82	
Allied-Signal, Inc (Torrance)		22.50	0.00	4.50	4.50			27.00	0.00		27.00		4.50	4.50	
American Plant Growers, Inc		10.00	0.00	0.77	0.77	40.00		50.77	45.10		5.67		5.67	5.67	
Asahi Fancy Koi, Inc		2.00	32.20	2.00	34.20			36.20	0.00		36.20	32.20	2.00	34.20	
Atlantic Richfield Co		5,309.00	0.00	1,061.80	1,061.80			6,370.80	4,219.58		2,151.22		1,061.80	1,061.80	
Automation Industries, Inc		0.70	3.40	2.00	5.40			6.10	0.00		6.10	3.40	2.00	5.40	
Black, Dana		11.80	0.00	2.36	2.36			14.16	0.00		14.16		2.36	2.36	
Bransdma, Maynard	-11.80	0.00	0.00	0.00	0.00			0.00	0.00		0.00		0.00	0.00	a/
CBS, Inc.		9.50	0.00	2.00	2.00			11.50	0.00		11.50		2.00	2.00	
California Water Service Co		4,070.00	0.00	709.00	709.00	-714.46	-150.00	3,914.54	2,653.41		1,261.13		671.11	671.11	
California Water Service Co (Dominguez)		10,417.45	0.00	1,518.49	1,518.49	-672.65		11,263.29	6,036.94		5,226.35		1,948.96	1,948.96	
California Water Service Co/Hawthorne Lease		0.00	0.00	201.40	201.40	1,869.11		2,070.51	77.56		1,992.95		373.82	373.82	
Carson-Harbor Village Mobile Home Park		8.20	0.00	2.00	2.00			10.20	0.00		10.20		2.00	2.00	
Carson-Madrone Co		104.00	0.00	20.80	20.80			124.80	0.00		124.80		20.80	20.80	
Century Builders		4.70	0.00	2.00	2.00			6.70	0.00		6.70		2.00	2.00	
Chandler Palos Verdes Sand & Gravel Co		294.20	0.00	51.84	51.84	-40.00		306.04	309.65		-3.61		-3.61	-3.61	
Chevron USA, Inc		4,601.30	0.00	140.00	140.00	-3,901.30		840.00	0.00		840.00		140.00	140.00	
Churchill Downs California Co		282.00	0.00	0.00	0.00	-282.00		0.00	0.00		0.00		0.00	0.00	
Coastline Church of Christ		0.70	3.40	2.00	5.40			6.10	0.00		6.10	3.40	2.00	5.40	
Conocophillips Co.		6,170.00	787.78	1,234.00	2,021.78			8,191.78	5,036.54		3,155.24	787.78	1,234.00	2,021.78	
Curtis, Owen W		0.36	2.72	2.00	4.72			5.08	0.00		5.08	2.72	2.00	4.72	
Delaney, Golda, Estate of		4.10	10.20	2.00	12.20			16.30	0.00		16.30	10.20	2.00	12.20	
Desser Enterprises		0.00	0.00	2.42	2.42	12.10		14.52	4.20		10.32		2.42	2.42	
El Segundo, City of		953.00	0.00	190.60	190.60			1,143.60	0.00		1,143.60		190.60	190.60	
Engelsma, Susan Trust		12.10	0.00	0.00	0.00	-12.10		0.00	0.00		0.00		0.00	0.00	
Evergreen American Corp		5.40	0.00	2.00	2.00			7.40	0.00		7.40		2.00	2.00	
Fujimoto, Samuel R + Steven T + Jon K		20.00	12.28	4.00	16.28			36.28	7.84		28.44	12.28	4.00	16.28	
Gillingham, Florence R, et al		2.40	0.00	2.00	2.00			4.40	0.00		4.40		2.00	2.00	
Hawthorne, City of		1,882.00	0.00	0.00	0.00	-1,882.00		0.00	0.00		0.00		0.00	0.00	
Hillside Memorial Park	23.60	92.30	0.00	-94.55	-94.55			-2.25	97.28		-99.53		-99.53	-99.53	a/
Honold, Kristin Brandsma		11.80	0.00	2.36	2.36			14.16	0.00		14.16		2.36	2.36	
Hughes Aircraft Co		0.00	0.00	0.00	0.00			0.00	0.00		0.00		0.00	0.00	
Inglewood, City of		4,449.89	0.00	988.50	988.50	375.03		5,813.42	5,149.05		664.37		664.37	664.37	c/
Inglewood Park Cemetery		0.00	0.00	2.00	2.00			2.00	0.00		2.00		2.00	2.00	
Kinder Morgan Liquids Terminals, LLC		167.00	0.00	33.40	33.40			200.40	0.00		200.40		33.40	33.40	
Leuzinger, Emma L, Estate of		1.40	4.50	2.00	6.50			7.90	0.00		7.90	4.50	2.00	6.50	
Lomita, City of Water System		1,352.00	0.00	11.06	11.06			1,363.06	0.13		1,362.93		270.40	270.40	
Long Beach, City of		0.70	0.00	2.00	2.00			2.70	0.00		2.70		2.00	2.00	
Lopes, Frank		3.70	9.40	2.00	11.40			15.10	0.00		15.10	9.40	2.00	11.40	
Los Angeles, City of		1,503.00	0.00	0.00	0.00			1,503.00	0.00		1,503.00		300.60	300.60	
Los Angeles County Alondra Park		67.70	0.00	13.82	13.82			81.52	62.38		19.14		13.54	13.54	d/
Los Angeles County Sanitation District 2		102.00	0.00	4.02	4.02		150.00	256.02	155.14		100.88		20.40	20.40	
Los Angeles County Chester Washington GC		296.00	0.00	58.92	58.92			354.92	0.01		354.91		59.20	59.20	d/
Loyola Marymount University		48.10	0.00	9.62	9.62			57.72	0.00		57.72		9.62	9.62	
Manhattan Beach, City of		1,131.20	0.00	119.23	119.23			1,250.43	1,193.21		57.22		57.22	57.22	
Mayflower Nurseries		0.00	0.00	1.95	1.95			1.95	0.00		1.95		1.95	1.95	
McDonnell Douglas Corp		1.70	0.00	2.00	2.00			3.70	0.00		3.70		2.00	2.00	
Mobil Oil Corp		2,596.40	30.43	519.28	549.71			3,146.11	1,045.57		2,100.54	30.43	519.28	549.71	

TABLE 2. ADJUDICATED RIGHT ACCOUNTING, 2003-2004 (acre-feet)

Party	Sales * 2003-04	Adjudicated Right 2003-04	Drought Carryover 2003-04	Normal Carryover 2003-04	Carryover from 2002-2003	Leases *		Allowable Extraction	Amount Pumped	In-Lieu	Balance	Allowable Carryover into 2004-2005			
						With Flex	Without Flex					Drought	Normal	Total	
Mori, Roy H and Kenji		3.60	9.20	2.00	11.20			14.80	0.00		14.80	9.20	2.00	11.20	
Northrop Corp		38.15	0.00	7.63	7.63			45.78	0.00		45.78		7.63	7.63	
Nozaki, Sumikichi		7.00	0.00	2.00	2.00			9.00	0.00		9.00		2.00	2.00	
Pacific Crest Cemetery Co		39.40	0.00	-56.03	-56.03			-16.63	50.74		-67.37		-67.37	-67.37	
Palos Verdes Begonia Farm		0.00	7.40	0.00	7.40			7.40	0.00		7.40	7.40	0.00	7.40	
Rehor, Josephine P		2.20	0.00	2.00	2.00			4.20	0.00		4.20		2.00	2.00	
Rhodia, Inc		521.00	0.00	104.20	104.20			625.20	443.83		181.37		104.20	104.20	
Rolling Hills Vista		0.00	0.00	2.00	2.00			2.00	0.00		2.00		2.00	2.00	
Roman Catholic Archbishop of Los Angeles		72.30	0.00	-124.68	-124.68	450.00		397.62	394.26		3.36		3.36	3.36	
Shell Oil Co		1,019.50	0.08	203.90	203.98	-1,019.50		203.98	0.00		203.98	0.08	2.00	2.08	
Shell Oil Products US		3,432.00	0.00	924.42	924.42	1,866.50		6,222.92	5,263.37		959.55		959.55	959.55	
Southern California Edison Co		57.10	6.22	11.42	17.64			74.74	26.33		48.41	6.22	11.42	17.64	
Southern California Water Co		7,259.64	0.00	2,618.14	2,618.14	4,451.30		14,329.08	12,048.79		2,280.29		2,280.29	2,280.29	
Thorpe, Terrence	-11.80	0.00	0.00	0.00	0.00			0.00	0.00		0.00		0.00	0.00	b/
Torrance, City of		5,638.86	0.00	1,127.77	1,127.77	-450.00		6,316.63	1,673.51		4,643.12		1,037.77	1,037.77	
Watson Land Co		80.20	0.00	16.04	16.04			96.24	0.00		96.24		16.04	16.04	
Watt Industrial Properties		0.10	1.00	2.00	3.00			3.10	0.00		3.10	1.00	2.00	3.00	
Western Water Service Co		242.60	3.39	2.00	5.39	-125.03		122.96	0.00		122.96	3.39	23.51	26.90	c/
Wiseburn School District		8.20	0.00	2.00	2.00			10.20	0.00		10.20		2.00	2.00	
Zeigler, Maxwell T		0.00	0.00	2.00	2.00			2.00	0.00		2.00		2.00	2.00	
West Coast Basin Total															
		0.00	64,468.25	923.60	11,692.62	12,616.22 #	0.00	0.00	77,084.47	46,020.02	0.00	31,064.45	923.60	11,943.46	12,867.06
* See Table 14 and Appendix B for information concerning leases, transfer of water right entitlements or prior ownership. Includes lease with flex where applicable. # This number was incorrect in last annual report.															
a/ Sold: Brandsma, Maynard to Hillside Memorial Park including 2.36 acre-feet of carryover. b/ Sold: Thorpe, Terrence to Hillside Memorial Park including 2.36 acre-feet of carryover. c/ Lease: Sales agreement between Western Water Service Co. and City of Inglewood. d/ Los Angeles County accounts are combined when calculating carryover credit															

Non-parties															
Carson Auto, Inc									0.00						
Exempt															
Atlantic Richfield Co (Oil Recovery)									0.00						
California Water Service Co (Brewer Desalter)									1.26						
Mobil Oil Corp (Oil Recovery)									403.62						
Water Replenishment District (Goldsworthy Desalter)									2,917.87						
Total Pumped from Basin									49,342.77						

Hillside Memorial Park - Adjudicated Right Accounting for Adjusted Extraction for F.Y. 2002 & 2003								
F.Y.	Carryover	N/Co(sale)	Adj Rt	Lease	APA	Pump	Balance	Allow C/o
2002	-83.92		68.70	0.00	-15.22	74.96	-90.18	-90.18
2003	-90.18		68.70	0.00	-21.48	77.79	-99.27	-99.27

Fujimoto - Adjudicated Right Accounting for Adjusted Extraction for F.Y. 2003								
F.Y.	Carryover	Adj Rt	APA	Pump	Balance	Drought C/O	Normal C/O	Allow C/o
2003	16.28	20.00	36.28	4.83	31.45	12.28	4.00	16.28

TABLE 3. FY 2003-2004 INCOME AND EXPENDITURES

Item	Parties	State	Total
<u>Income</u>			
From 2003-2004 billing	\$110,500	\$104,500	\$215,000
Balance from 2002-2003	-6,060	---	-6,060
From budget penalties	89	---	89
Total income	\$104,529	\$104,500	\$209,029
<u>Expenditures</u>			
Salaries and wages	\$103,432	\$103,431	\$206,863
Operating expenses			
Miscellaneous Office Supplies	0	0	0
Travel: Other Miscellaneous I/S			8
Private Car Mileage	109	110	219
Total Expenditures	\$103,541	\$103,541	\$207,082
Balance	\$988 *		
* Carryover or deficit to parties in 2004-2005 fiscal year, subject to delayed charges or credits.			

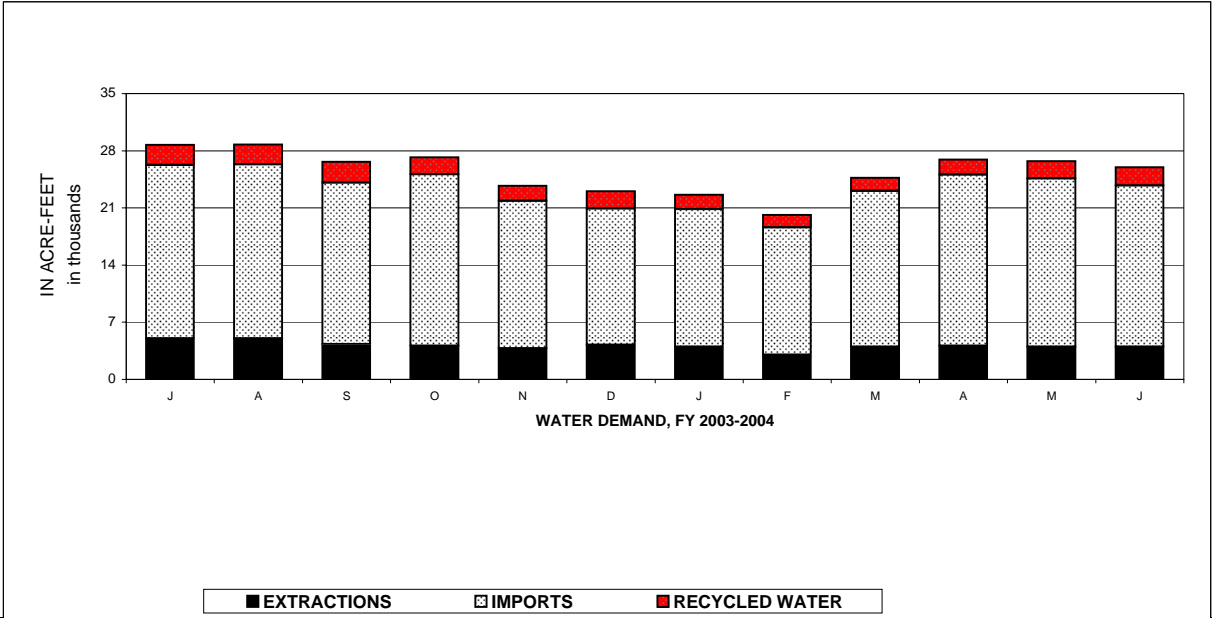
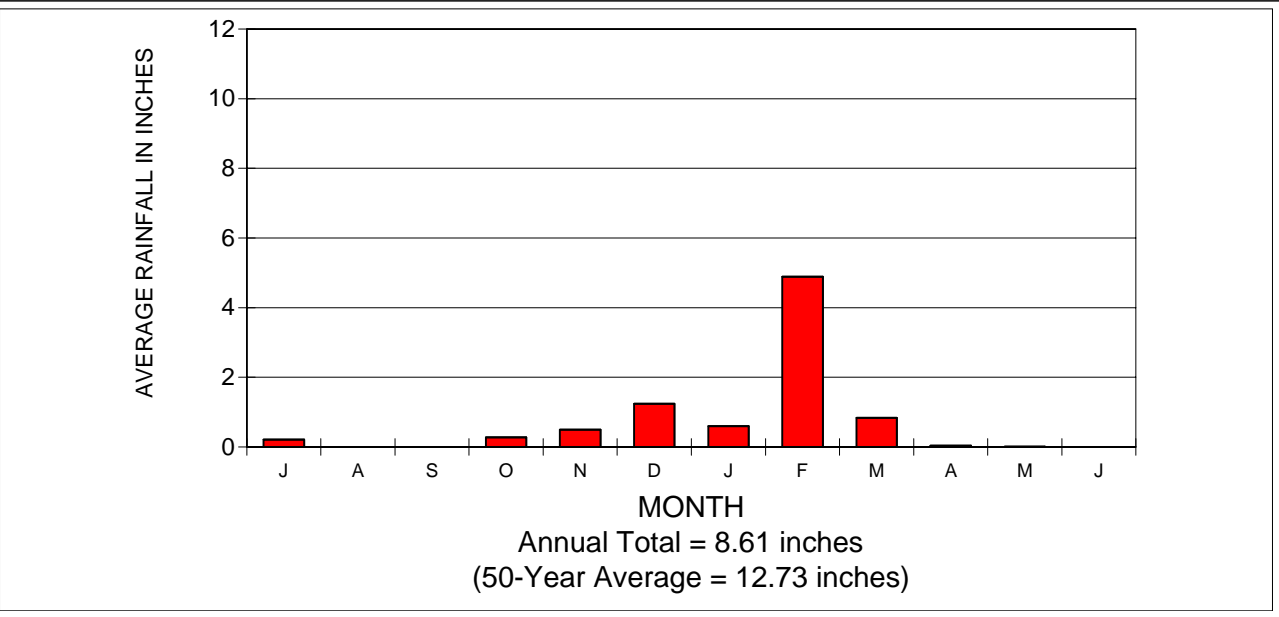


Figure 2 - MONTHLY BASIN RAINFALL AND WATER DEMAND

III. DETAILS OF WATER USE AND OPERATIONS

Basin operations are reported in the following tables and figures.

Operations

Table 4 - Replenishment Operations (p. 13)

Table 5 - Barrier Operations (p. 13)

Precipitation

Figure 3 - Location of Precipitation Stations and Barrier Project Wells (p. 14)

Exchange Pool

Table 6 - Exchange Pool Offers 2003-04 (p. 15)

Table 7 - Exchange Pool Requests (p. 15)

Water Use

Table 8 - Extractions by Nonparties and Parties with Zero Adjudicated Rights (p. 16)

Table 9 - Water Replenishment District In-Lieu Program (p. 16)

Figure 4 - Pattern of Groundwater Production for July 2003 to June 2004 (p. 17)

Table 10 - Imported Water and Recycled Water (p. 18)

Table 11 - Gross Water Use (p. 19)

Groundwater

- Figure 5 - Lines of Equal Water Level Elevation, Silverado Aquifer, Fall 2003 (p. 20)
- Figure 6 - Lines of Equal Water Level Elevation, Silverado Aquifer, Spring 2004 (p. 21)
- Figure 7 - Areas of Water Level Change, Spring 2003 to Spring 2004 (p. 22)
- Figure 8 - Fluctuations of Water Level Elevations at Wells in Upper Pleistocene and Recent Aquifers (p. 27)
- Figure 9 - Fluctuations of Water Level Elevations at Wells in the Silverado Aquifer (p. 28)
- Figure 10 - Fluctuations of Water Level Elevations at Wells in the Merged Phases of Silverado and Lynwood Aquifers (p. 29)
- Figure 11 - Chloride Levels Silverado Aquifer, Fall 2003 (p. 30)
- Plate 3 - Active Wells in West Coast Basin

Costs

- Table 12 - Approved Budget (p. 23)
- Table 13 - Apportionment of Parties' Share of Budget (p. 24)

Water Rights

- Table 14 - Transfers of Adjudicated Rights (p. 25)

Meter Testing Program

This year, 4 meter tests were performed, including one retest. One meter was 18 percent fast. Watermaster scheduled all meters to be tested every two years.

In addition, watermaster performed many field investigations of new and destroyed wells, verified discrepancies between reported extractions and actual water meter readings, and made necessary adjustments.

Due to the State hiring freeze, Watermaster reduced the meter testing program temporarily. In the future Watermaster will be scheduling meter tests every three to four years and when parties install new or repaired meters.

TABLE 4. REPENISHMENT OPERATIONS *
In acre-feet

Water Source	Quantity	
	2002-2003	2003-2004
Local runoff	64,390	36,128
Recycled water:		
Whittier Narrows WRP	7,436	5,970
San Jose WRP	50,006	27,494
Pomona WRP	2,285	2,355
MWD water purchased with WRD funds	17,297	20,369
Make-up water from Upper San Gabriel Basin	_____	_____
Total	141,414	92,316
<p>* Water spread in the Central Basin provides subsurface recharge to West Coast Basin. Provisional data provided by Los Angeles County Department of Public Works, as to amount actually spread in Montebello Forebay area.</p>		

TABLE 5. BARRIER OPERATIONS*

Item	West Coast Basin Barrier	Dominguez Gap Barrier
Quantity injected, in acre-feet		
Imported	8,764	7,056
Recycled	8,311	---
Number of injection wells	153	41
Number of observation wells	302	212
Number of observation wells constructed during 2004 fiscal year	0	0
Number of injection wells constructed during 2004 fiscal year	0	0
<p>*Provisional data provided by the Los Angeles County Department of Public Works.</p>		

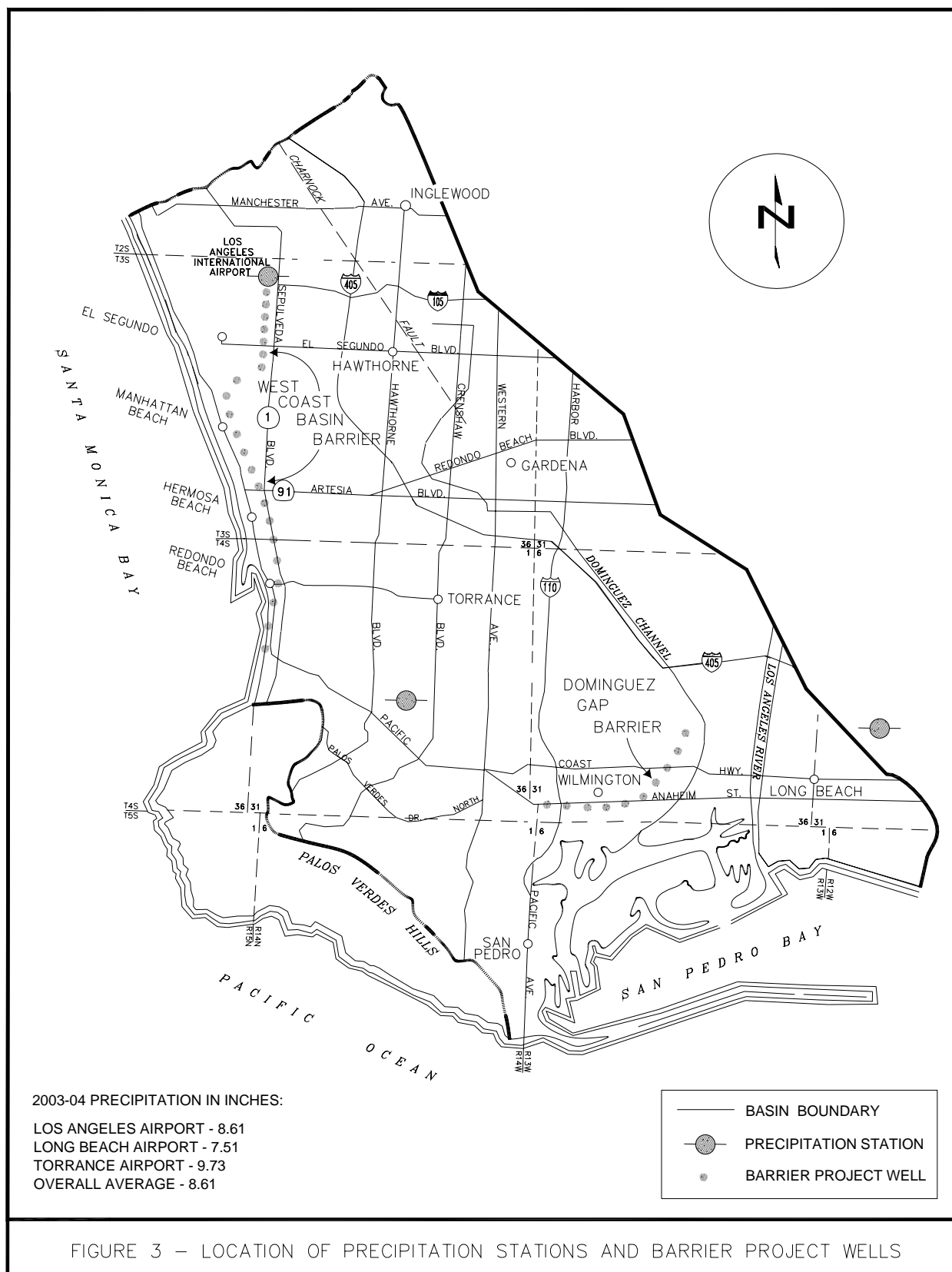


TABLE 6. EXCHANGE POOL OFFERS 2003-04

Party	Amount in acre-feet		Price per acre-foot	Charge for Exchange Water
	Offered	Released		
There were no requests to purchase water; and therefore, operation of the Exchange Pool Program was suspended.				

TABLE 7. EXCHANGE POOL REQUESTS

Party	Amount of Water Received, in acre-feet	Cost of Exchange Water
None		

TABLE 8. EXTRACTIONS BY NONPARTIES AND PARTIES
WITH ZERO ADJUDICATED RIGHTS

Pumper	State Well Number	Amount Pumped in acre-feet
<u>Nonparties</u>		
Carson Auto, Inc	04S/13W-15K05S	0.00
Total		0.00
<u>Parties with Zero Adjudicated Rights</u>		
Desser Enterprises	04S/13W-15Q01S	4.20 *
Hughes Aircraft Co	04S/14W-22L02S	0.00
Inglewood Park Cemetery	04S/14W-27M01S	0.00
Inglewood Park Cemetery	04S/14W-27N02S	0.00
Inglewood Park Cemetery	04S/14W-27N03S	0.00
Mayflower Nurseries	04S/14W-25K06S	0.00
Palos Verdes Begonia Farm	04S/14W-21N01S	0.00
Rolling Hills Vista	04S/14W-28J01S	0.00
Zeigler, Maxwell T	04S/13W-31M01S	0.00
Total		4.20
* Party leased rights sufficient to cover extractions.		

TABLE 9. WATER REPLENISHMENT DISTRICT IN-LIEU PROGRAM
In acre-feet

Party	In-Lieu Amount Reserved
No In-Lieu Program	

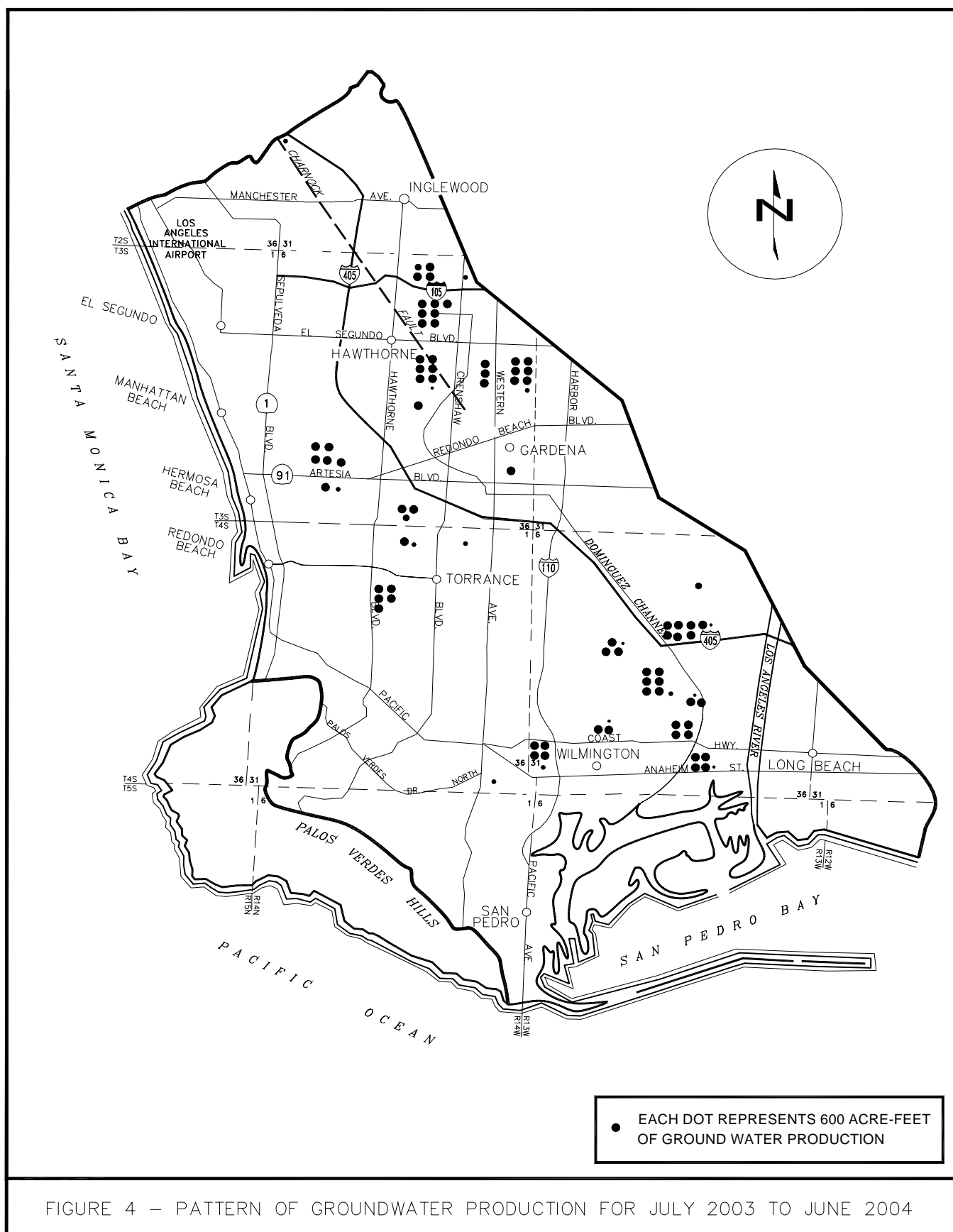


TABLE 10. IMPORTED WATER AND RECYCLED WATER *
In acre-feet

Source of water	Water Purveyor	Quantity	
		2002-2003	2003-2004
<u>Imported Water</u>			
Colorado River, State Water Project Water and Central Basin groundwater	Long Beach, City of **	40,789	43,080
Colorado River and State Water Project water	West Basin Municipal Water District:		
	California Water Service Co.(Hermosa/Redondo)***	14,022	13,696
	California Water Service Co. (Dominguez)	25,190	27,836
	El Segundo, City of	8,543	8,320
	Hawthorne, City of (California Water Service Co Lease)	4,429	4,863
	Inglewood, City of	6,735	6,912
	Lomita, City of	2,734	2,813
	Los Angeles County Department of Public Works #	17,877	15,769
	Los Angeles County Waterworks District No. 29 ##	0	--
	Manhattan Beach, City of	5,748	5,670
	Southern California Water Co.	25,485	27,555
	West Basin MWD Subtotal	110,763	113,434
Colorado River and State Water Project water	Torrance, City of	20,981	20,517
Owens River-Mono Basin, Colorado River and State Water Project water	Los Angeles, City of	38,334	39,747
	Total Imported Water	210,867	216,778
<u>Recycled Water</u>			
	West Basin Municipal Water District:		
	California Water Service Co.	131	144
	California Water Service Co. (Hawthorne Lease)	101	112
	California Water Service Co. (Dominguez)	3,092	3,639
	El Segundo, City of	8,102	8,310
	Inglewood, City of	577	638
	Inglewood Unified School District	30	67
	Los Angeles Department of Water and Power	277	394
	Manhattan Beach, City of	254	301
	Southern California Water Co.	307	433
	Torrance, City of	7,455	6,581
	Water Replenishment District #	6,754	3,935
	Total Recycled Water	27,080	24,554
* Does not include nonparty imports			
** Storage programs in the amount of 4,740 AF included.			
*** Palos Verdes is not in Watermaster Service Area, imported 22,105.80 AF is excluded.			
# West Coast Basin and Dominguez Gap Barrier Projects			
## Not in Watermaster Service area. 2003-2004 Imported 10,478 AF is excluded.			

TABLE 11. GROSS WATER USE
In acre-feet

Party	Total Extractions	Purchased Supply		Recycled Water	Total Water Use
		Imported*	Within		
A B C Nursery, Inc.	25.60				25.60
Allied-Signal, Inc (Torrance)	0.00				0.00
American Plant Growers, Inc.	45.10				45.10
Asahi Fancy Koi, Inc.	0.00				0.00
Atlantic Richfield Company	4,219.58		9,812.89		14,032.47
Black, Dana	0.00				0.00
CBS, Inc.	0.00				0.00
California-American Water Co. (nonparty)	0.00	2,509.49			2,509.49
California Water Service Company (Excludes Palos Verdes imports.)	2,653.41	13,695.90		143.63	16,492.94
California Water Service (Hawthorne Lease)	77.56	4,862.80		111.77	5,052.13
California Water Service Company (Dominguez)	6,036.94	27,836.20		3,639.38	37,512.52
Carson-Harbor Village Mobile Home Park	0.00				0.00
Carson-Madrone Company	0.00				0.00
Century Builders	0.00				0.00
Chandler Palos Verdes Sand/Gravel	309.65				309.65
Chevron U S A, Inc.	0.00				0.00
Coastline Church of Christ	0.00				0.00
Conocophillips Company	5,036.54		4,645.75		9,682.29
Curtis, Owen W.	0.00				0.00
Delaney, Golda, Estate of	0.00				0.00
Desser Enterprises	4.20				4.20
El Segundo, City of	0.00	8,320.39		8,310.17	16,630.56
Englesma, Susan Trust	0.00				0.00
Evergreen American Corporation	0.00				0.00
Fujimoto, SR, ST, JK	7.84				7.84
Gillingham, Florence R. et al	0.00				0.00
Hillside Memorial Park	97.28		50.00 E		147.28
Honold, Kristin Brandsma	0.00				0.00
Hughes Aircraft Company	0.00				0.00
Inglewood, City of	5,149.05	6,911.50		637.95	12,698.50
Inglewood Park Cemetery	0.00				0.00
Kinder Morgan Liquids Terminals, LLC	0.00				0.00
Leuzinger, Emma L., Estate of	0.00				0.00
Lomita, City of Water System	0.13	2,813.40			2,813.53
Long Beach, City of	0.00	43,080.30			43,080.30
Lopes, Frank	0.00				0.00
Los Angeles, City of Department of Water and Power	0.00	39,747.00		393.90	40,140.90
Los Angeles County Alondra Park	62.38				62.38
Los Angeles County Chester Washington Golf	0.01				0.01
Los Angeles County Sanitation Dist 2	155.14		485.99		641.13
Los Angeles County Waterworks Dist 29	0.00	10,478.30			10,478.30
Loyola Marymount University	0.00				0.00
Manhattan Beach, City of	1,193.21	5,670.10		301.45	7,164.76
Mayflower Nurseries	0.00				0.00
McDonnell Douglas Corporation	0.00				0.00
Mobil Oil Corporation	1,045.57				1,045.57
Mori, Roy H and Kenji	0.00				0.00
Northrop Corporation	0.00				0.00
Nozaki, Sumikichi	0.00				0.00
Pacific Crest Cemetery Company	50.74				50.74
Palos Verdes Begonia Farm	0.00				0.00
Rehor, Josephine P	0.00				0.00
Rhodia, Inc.	443.83		234.41		678.24
Rolling Hills Vista	0.00				0.00
Roman Catholic Archbishop of LA	394.26				394.26
Shell Products, USA	5,263.37		172.38		5,435.75
Signal Hill, City of (nonparty)	0.00				0.00
Southern California Edison Co.	26.33				26.33
Southern California Water Co.	12,048.79	27,555.30		432.58	40,036.67
Torrance, City of	1,673.51	20,517.10		6,580.96	28,771.57
Torrance, City of (Mobil)	0.00				0.00
Watson Land Company	0.00		50.00 E		50.00
Watt Industrial Properties	0.00				0.00
Western Water Service Company	0.00				0.00
Wiseburn School District	0.00				0.00
Zeigler, Maxwell T.	0.00				0.00
	46,020.02	213,997.78	15,451.42	20,551.79	296,021.01
* Import from MWD or member agency.					
** Purchased from municipal, mutual, or public utility water agency.					
E Estimated value					

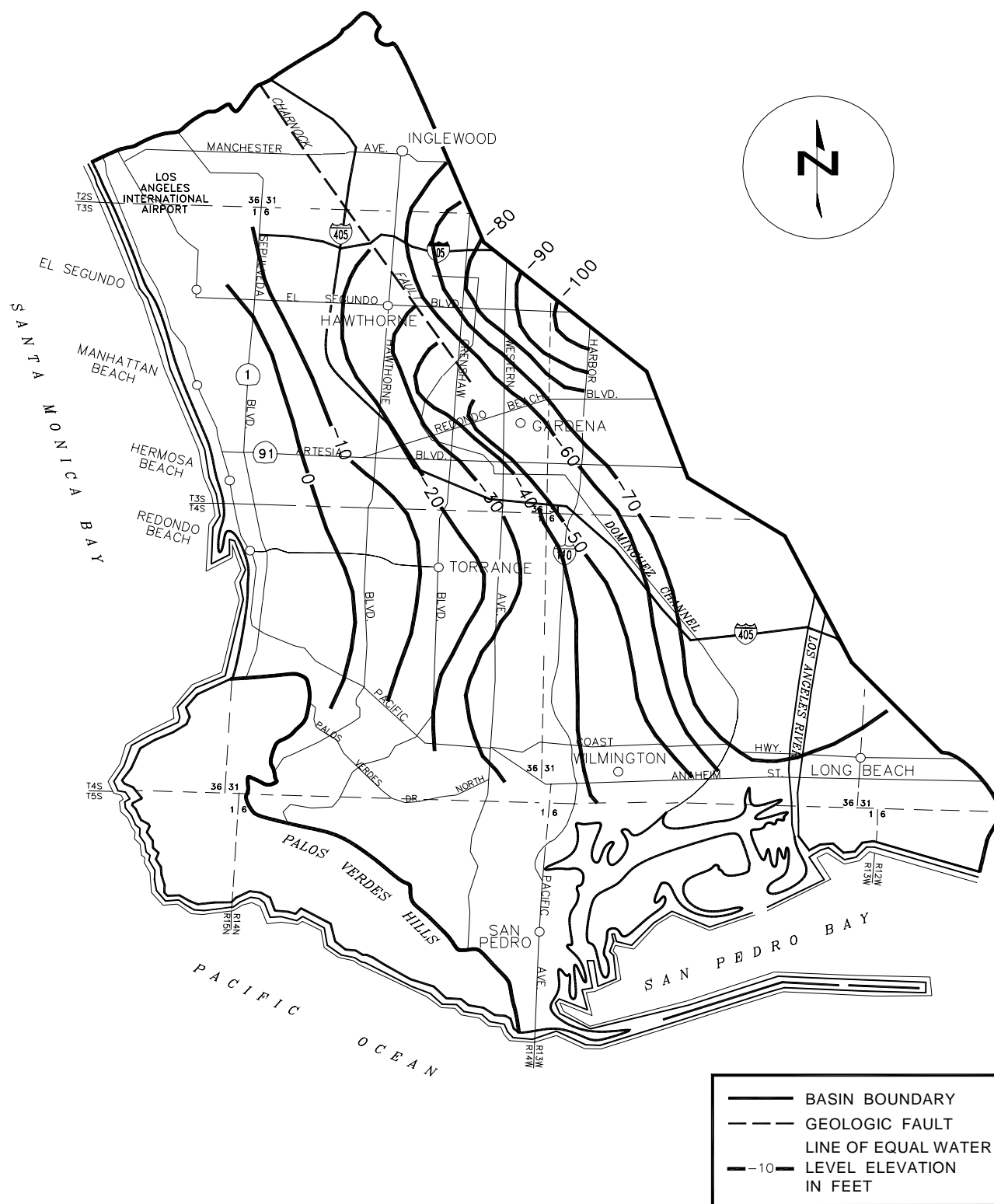


FIGURE 5 – LINES OF EQUAL WATER ELEVATION, SILVERADO AQUIFER, FALL 2003

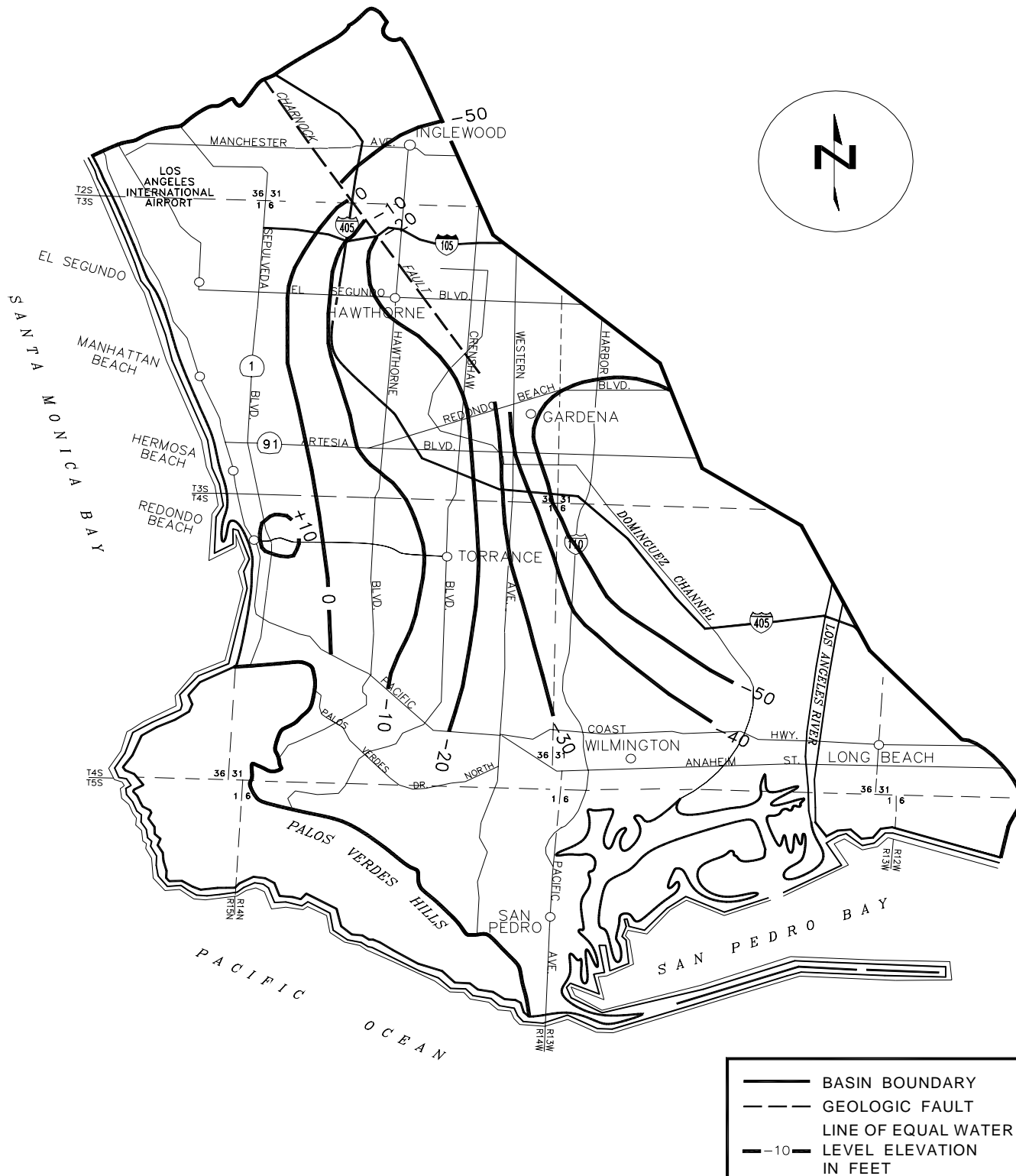


FIGURE 6 — LINES OF EQUAL WATER ELEVATION, SILVERADO AQUIFER, SPRING 2004

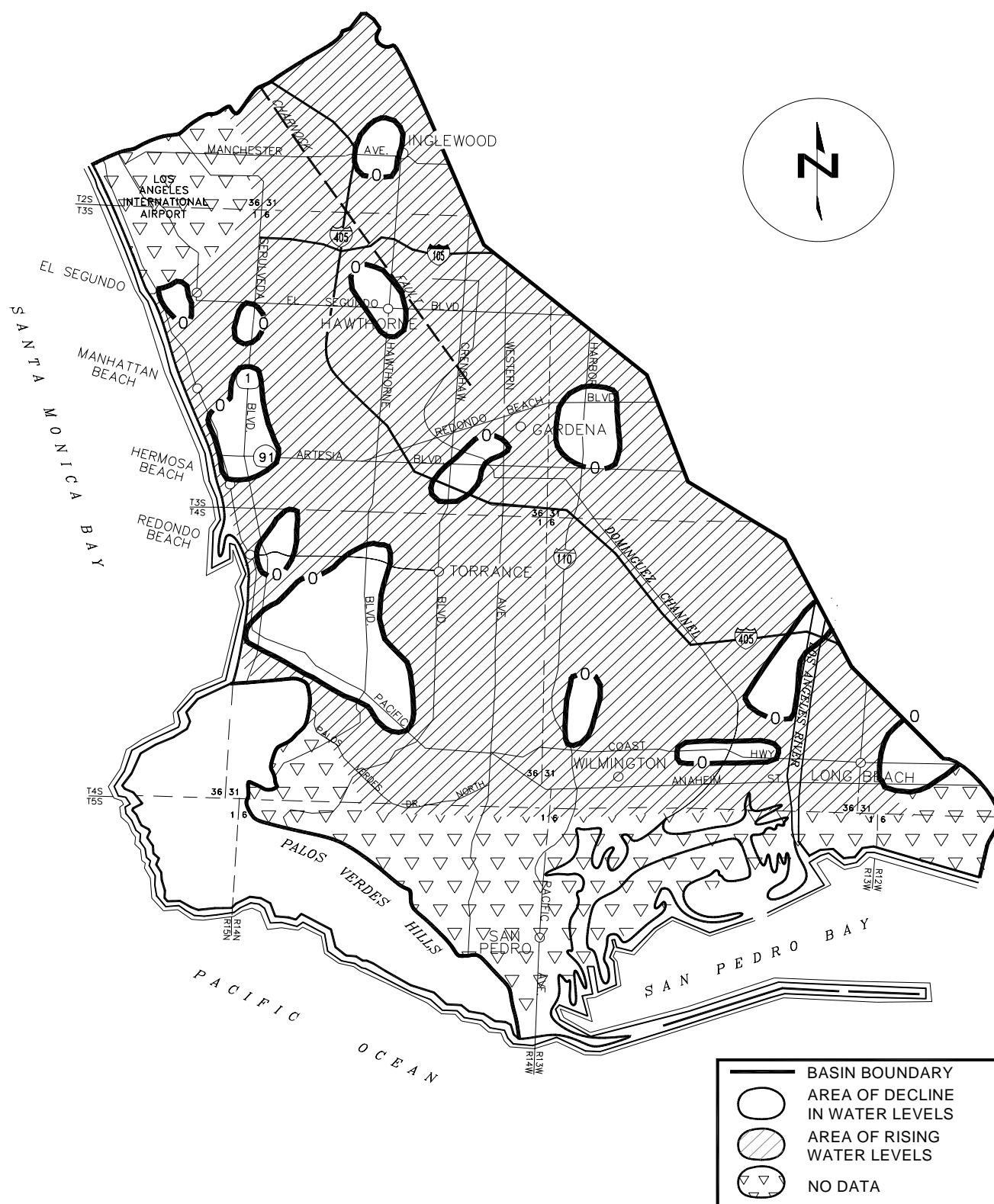


FIGURE 7 – AREAS OF WATER LEVEL CHANGE, SPRING 2003 TO SPRING 2004

TABLE 12. APPROVED BUDGET

Total budget	\$209,000.00	
One-half payable by State	\$104,500.00	
One-half payable by parties		\$104,500.00
Estimated carryover from previous year (+) deficit, (-) credit		6,000.00
		<hr/>
Total amount to be billed		\$110,500.00

TABLE 13. APPORTIONMENT OF PARTIES' SHARE OF BUDGET

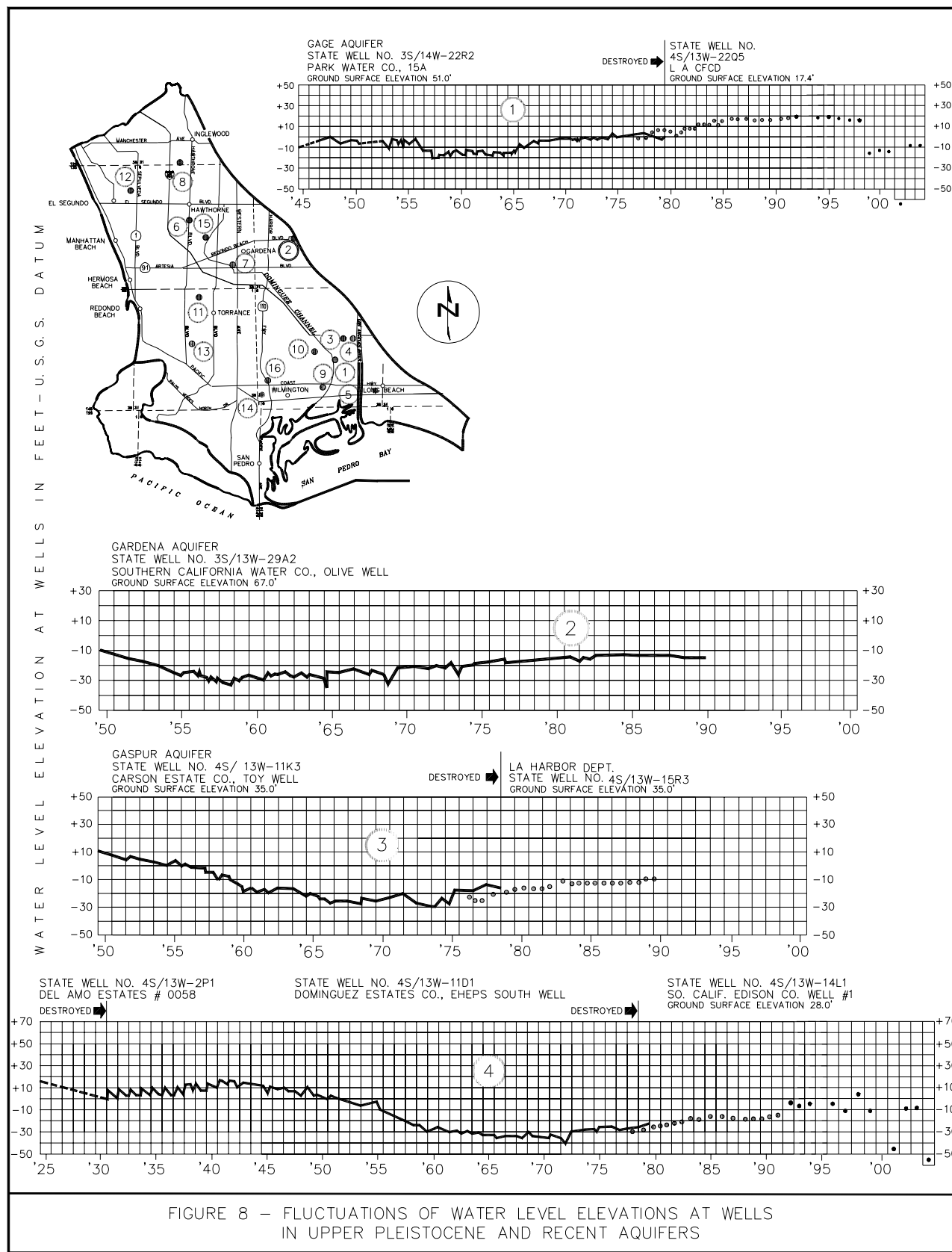
PARTY NAME	Adjudicated Right (acre-feet)	Apportionment Paid
A B C NURSERY, INC	24.10	\$ 41.55
AMERICAN PLANT GROWERS	10.00	17.24
ATLANTIC RICHFIELD COMPANY	5,309.00	9,152.47
LOCHRIDGE, DANA (aka Black)	11.80	20.34
BRANDSMA, MAYNARD	11.80	21.36 *
CALIFORNIA WATER SERVICE COMPANY	4,070.00	7,016.49
CA. WATER SERVICE CO. (DOMINGUEZ)	10,417.45	17,959.20
CHANDLER PALOS VERDES SAN/GRAV CO	294.20	507.19
CHEVRON USA INC	4,601.30	7,932.43
CHURCHILL DOWNS CALIFORNIA COMPANY	282.00	486.16
CONOCOPHILLIPS COMPANY	6,170.00	10,636.80
EL SEGUNDO, CITY OF	953.00	1,642.93
ENGELSMA, SUSAN TRUST	12.10	20.86
FUJIMOTO, S.R. & S.T. & J.K.	20.00	34.48
KINDER MORGAN LIQUID TERMINALS, LLC	167.00	287.90
CALIFORNIA WATER SERVICE CO./HAWTHORNE, CITY OF	1,882.00	3,244.48
HILLSIDE MEMORIAL PARK	68.70	118.44
INGLEWOOD, CITY OF	4,449.89	7,671.41
LOS ANGELES, CITY OF	1,503.00	2,591.10
LOS ANGELES COUNTY ALONDRA PARK	67.70	116.71
LOS ANGELES COUNTY SANITN DIST 2	102.00	175.84
LOMITA, CITY OF WATER SYSTEM	1,352.00	2,330.79
LA COUNTY, CHESTER WASHINGTON GOLF	296.00	510.29
MANHATTAN BEACH, CITY OF	1,131.20	1,950.14
MOBIL OIL CORPORATION	2,596.40	4,476.07
PACIFIC CREST CEMETERY COMPANY	39.40	67.92
RHODIA INCORPORATED	521.00	898.18
ROMAN CATHOLIC ARCHBISHOP OF L A	72.30	124.64
SHELL OIL COMPANY	1,019.50	1,845.45 *
SHELL OIL PRODUCTS US	3,432.00	5,916.61
SOUTHERN CALIFORNIA EDISON CO	57.10	98.44
SOUTHERN CALIFORNIA WATER COMPANY	7,259.64	12,515.28
THORPE, TERRENCE	11.80	20.34
TORRANCE, CITY OF	5,638.86	9,721.13
WESTERN WATER SERVICE COMPANY	242.60	418.23
TOTALS	64,096.84	\$ 110,588.89
* A total of \$88.89 was collected in late payments. Inactive parties are exempt form Watermaster Service Costs.		

TABLE 14. TRANSFERS OF ADJUDICATED RIGHTS

Party	Transaction *	Amount in acre-feet	Date	Party
A B C NURSERY, INC	LEASE WITH FLEX	35.00	07/02/03	FROM CHURCHILL DOWNS CALIFORNIA CO
AMERICAN PLANT GROWERS, INC	LEASE WITH FLEX	40.00	06/08/04	FROM CHANDLER PALOS VRDES SAND/GRAV CO
BRANDSMA, MAYNARD	SOLD	-11.80	07/03/03	TO HILLSIDE MEMORIAL PARK
CALIFORNIA WATER SERVICE CO	LEASE	-150.00	07/17/03	TO LOS ANGELES COUNTY SANITN DIST 2
	LEASE WITH FLEX	-114.46	01/02/04	TO CA WATER SERVICE CO (DOMINGUEZ)
	LEASE WITH FLEX	-600.00	06/25/04	TO SHELL OIL PRODUCTS US
CA WATER SERVICE CO (DOMINGUEZ)	LEASE WITH FLEX	114.46	01/02/04	FROM CALIFORNIA WATER SERVICE CO
	LEASE WITH FLEX	12.89	01/02/04	FROM CA WTR SERVICE CO/HAWTHORNE LEASE
	LEASE WITH FLEX	-800.00	06/30/04	TO SOUTHERN CALIFORNIA WATER COMPANY
CA WTR SERVICE CO/HAWTHORNE LEASE	LEASE WITH FLEX	1,882.00	07/02/03	FROM HAWTHORNE, CITY OF <u>a/</u>
	LEASE WITH FLEX	-12.89	01/02/04	TO CA WATER SERVICE CO (DOMINGUEZ)
CHANDLER PALOS VRDES SAND AND GRAVEL CO	LEASE WITH FLEX	-40.00	06/08/04	TO AMERICAN PLANT GROWERS, INC
CHEVRON U S A, INC	LEASE WITH FLEX	-3,651.30	07/02/03	TO SOUTHERN CALIFORNIA WATER CO <u>b/</u>
	LEASE WITH FLEX	-250.00	07/02/03	TO WESTERN WATER SERVICE CO <u>c/</u>
CHURCHILL DOWNS CALIFORNIA CO	LEASE WITH FLEX	-35.00	07/02/03	TO A B C NURSERY, INC
	LEASE WITH FLEX	-247.00	07/03/03	TO SHELL OIL PRODUCTS US
DESSER ENTERPRISES	LEASE WITH FLEX	12.10	07/02/03	FROM SUSAN ENGELSMA TRUST <u>d/</u>
SUSAN ENGELSMA TRUST	LEASE WITH FLEX	-12.10	07/02/03	TO DESSER ENTERPRISES <u>d/</u>
HAWTHORNE, CITY OF	LEASE WITH FLEX	-1,882.00	07/02/03	TO CA WTR SERVICE CO/HAWTHORNE LEASE <u>a/</u>
HILLSIDE MEMORIAL PARK	PURCHASED	11.80	07/03/03	FROM BRANDSMA, MAYNARD
	PURCHASED	11.80	07/04/03	FROM THORPE, TERRENCE
INGLEWOOD, CITY OF	LEASE WITH FLEX	-1,112.47	07/03/03	TO WESTERN WATER SERVICE CO
	LEASE WITH FLEX	1,487.50	07/04/03	FROM WESTERN WATER SERVICE CO
LOS ANGELES COUNTY SANITN DIST 2	LEASE	150.00	07/17/03	FROM CALIFORNIA WATER SERVICE CO
ROMAN CATHOLIC ARCHBISHOP OF L A	LEASE WITH FLEX	450.00	03/25/04	FROM TORRANCE, CITY OF
SHELL OIL COMPANY	LEASE WITH FLEX	-1,019.50	06/22/04	TO SHELL OIL PRODUCTS US
SHELL OIL PRODUCTS US	LEASE WITH FLEX	247.00	07/03/03	FROM CHURCHILL DOWNS CALIFORNIA CO
	LEASE WITH FLEX	1,019.50	06/22/04	FROM SHELL OIL COMPANY
	LEASE WITH FLEX	600.00	06/25/04	FROM CALIFORNIA WATER SERVICE CO

TABLE 14. TRANSFERS OF ADJUDICATED RIGHTS

Party	Transaction *	Amount In acre-feet	Date	Party
SOUTHERN CALIFORNIA WATER CO	LEASE WITH FLEX	3,651.30	07/02/03	FROM CHEVRON U S A, INC <u>b/</u>
	LEASE WITH FLEX	800.00	06/30/04	FROM CA WATER SERVICE CO (DOMINGUEZ)
THORPE, TERRENCE	SOLD	-11.80	07/04/03	TO HILLSIDE MEMORIAL PARK
TORRANCE, CITY OF	LEASE WITH FLEX	-450.00	03/25/04	TO ROMAN CATHOLIC ARCHBISHOP OF L A
WESTERN WATER SERVICE CO	LEASE WITH FLEX	250.00	07/02/03	FROM CHEVRON U S A, INC <u>c/</u>
	LEASE WITH FLEX	1,112.47	07/03/03	FROM INGLEWOOD, CITY OF
	LEASE WITH FLEX	-1,487.50	07/04/03	TO INGLEWOOD, CITY OF
Total		0.00		
* Lease with flex: carryover provisions included with lease. a/ Long-term lease, 1995-2010 (1,882.00 acre-feet) b/ Long-term lease, 1998-2013 (3,651.30 acre-feet) c/ Long-term lease, 1998-2013 (250.00 acre-feet) d/ Long-term lease, 1995-2005 (12.10 acre-feet)				



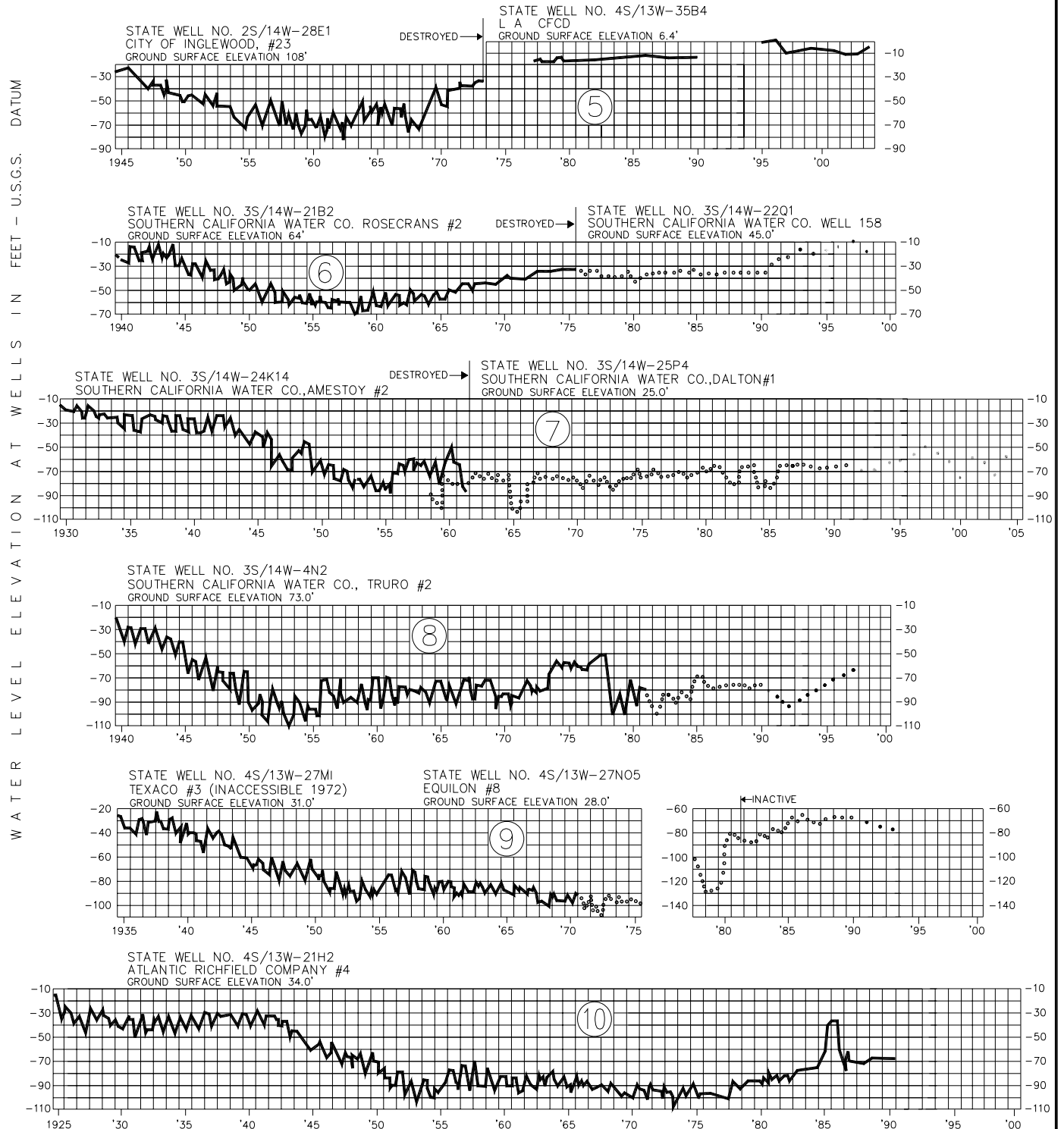
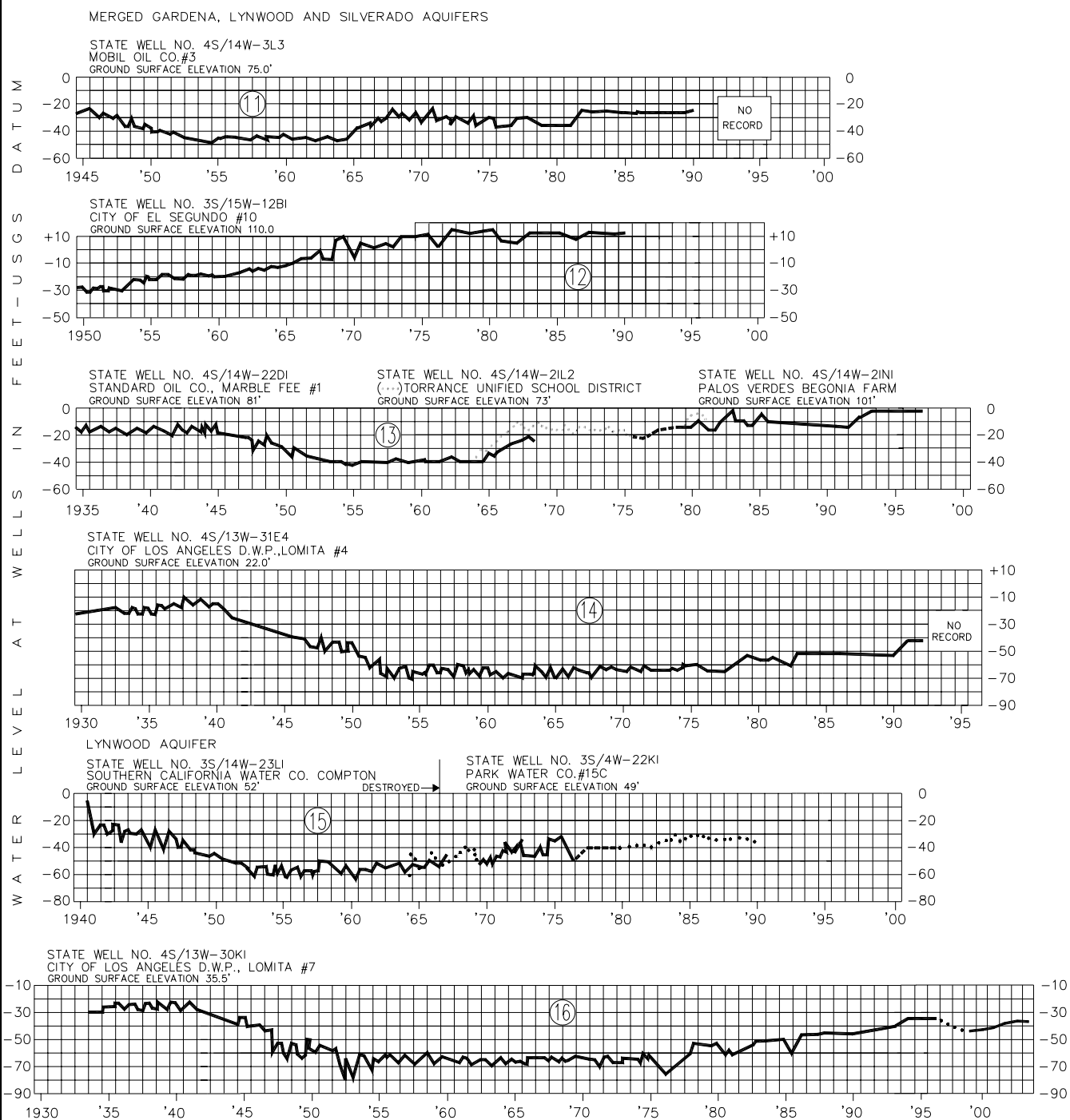


FIGURE 9 – FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS IN THE SILVERADO AQUIFER



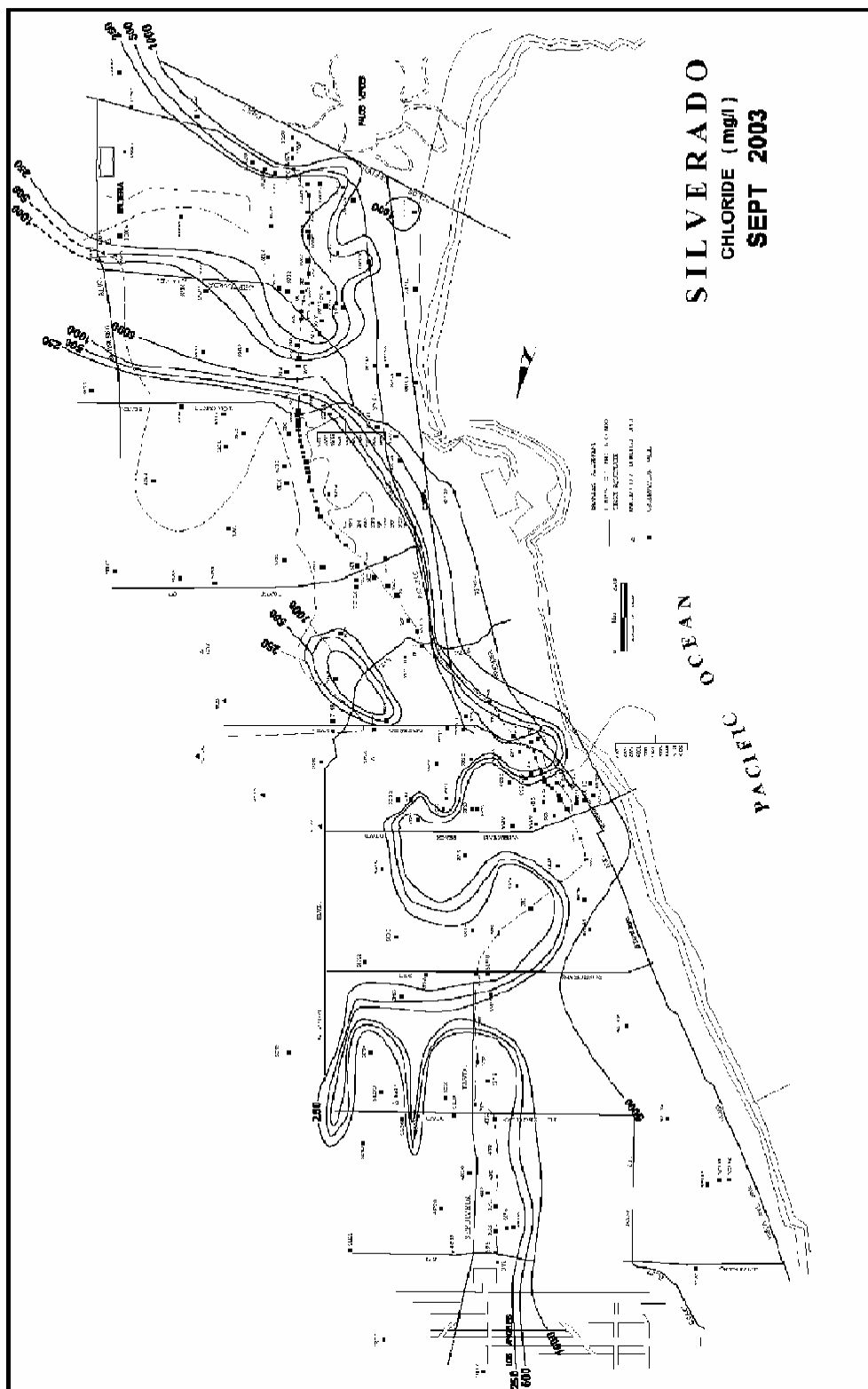


FIG. 11 – CHLORIDE LEVELS
(Figure from L. A. County Department of Public Works)

APPENDIX A

CONTINUING HISTORY OF WATERMASTER SERVICE AND ADMINISTRATION OF THE JUDGMENT

History of Water Resources Development

The absence of adequate surface water supplies in the West Coast Basin forced the early development of groundwater sources. In 1870, the communities of Inglewood and Long Beach tapped the artesian wells and springs east of the Newport-Inglewood Uplift. When these stopped flowing, water users were forced to drill shallow wells. By 1904, about 100 wells were producing 10,000 acre-feet annually.

The techniques used to develop groundwater were advanced dramatically in 1909 with the advent of the deep-well turbine pump. Its tremendous adaptability and superior operating characteristics gave countless users access to efficient water wells. Dependable sources of water attracted industry and agriculture, and in time the demand for water exceeded the rate at which the Basin was being replenished naturally. Water levels throughout the Basin dropped below sea level in the 1920s, and wells along Santa Monica Bay were abandoned because the water was too salty. By 1932, the entire coastal reach of the Basin had been invaded by sea water.

Groundwater quality deterioration continued until 1945, when the California Water Service Company, the City of Torrance, and the Palos Verdes Water Company filed suit in Superior Court, Los Angeles County. Their objectives were to quiet title to the groundwater rights of each pumper and to establish control over groundwater extractions from the Basin. Other organizations moved to support the litigation and the West Basin Water Association was formed in 1946. A plan to manage the Basin's water resources was set up to:

1. Provide a supplemental supply for major producers;
2. Limit groundwater extractions; and
3. Create an exchange pool to provide pumping rights for users not having access to supplemental water.

The first of these steps was realized in 1947 when the West Basin Municipal Water District was formed to distribute water from the Colorado River. The District was annexed to The Metropolitan Water District of Southern California in 1948, and that year Colorado River water began flowing into the West Coast Basin, followed by State Water Project water in 1974.

In 1946, the second and third steps were taken with the Court's preliminary hearings to define the groundwater problem and outline those areas needing more information. The Court asked the Department of Water Resources (DWR) to define the boundaries and determine the geohydrologic characteristics of the West Coast Basin. DWR spent

six years analyzing the physical properties of the Basin. The major water producers also retained an Engineering Advisory Committee to aid in the investigation. As more information became available, the full magnitude of the problem became evident. In 1949, an amended complaint added 340 parties to the suit. A "Report of Referee" was filed with the Court on September 15, 1952.

Several years passed before water users became sufficiently alarmed by groundwater conditions to draft an Interim Agreement that reduced groundwater extractions until a final judgment could be approved. The Court approved the agreement on February 16, 1955, and appointed DWR as Watermaster to administer it.

A "Final Report of Referee", filed on June 8, 1961, included data on groundwater conditions between 1950 and 1956. The report provided the information needed to draft the final judgment. On August 18, 1961, after 16 years of litigation, the Court rescinded the Interim Agreement and signed the West Coast Basin Judgment. The Judgment retained DWR as Watermaster.

A second suit, often called the American Plant Growers Case, was filed on October 31, 1956. As a result, 76 additional parties were placed under jurisdiction of the Court on March 24, 1966. Appendix B lists all parties originally under jurisdiction of the Court and all successors in interest.

The Judgment was amended on March 21, 1980, to provide for a transition in the administrative year from a water year (October 1 to September 30) to a fiscal year (July 1 to June 30). Under the Judgment, this transition, in turn, contained a "short" administrative year of nine months--October 1, 1980, to June 30, 1981. The administrative year starting July 1, 1981, was on a fiscal year basis.

The Judgment was further amended on September 24, 1981, to: (1) establish a nonconsumptive water use right subordinate to the adjudicated rights and Hughes Aircraft Company became a party with zero water rights; and (2) authorize the production and disposal of water from wells to analyze and find a method of well operation for correction of increased salinity resulting or potentially resulting from sea water intrusion.

The Judgment was again amended on March 12, 1984, to provide for nonconsumptive additional water production to recover old refined oil and to clean up the basin. The Atlantic Richfield Company was given a 5-year permit to operate an oil recovery project; because all the water produced is returned to the basin, there will be no charge to the party's production. The Judgment was further amended on March 8, 1989, to revise the provisions for nonconsumptive clean-up operations. Chevron USA Inc. was given a permit for hydrocarbon clean-up on August 16, 1988. This permit was modified to increase the actual nonconsumptive production of up to 5,600 acre-feet. Following an October 22, 1991 hearing, Mobil Oil Corporation was granted a permit for hydrocarbon clean-up under its Torrance Refinery.

The Judgment was further amended on July 7, 1993, effective retroactively to June 30, 1993, to modify the carryover provisions for unpumped water to 2 acre-feet or 20 percent of Adjudicated Right, whichever is greater. The over production provisions remained at 10 percent or 2 acre-feet of Adjudicated Right, whichever is greater. The over production has to made up the following year.

The Judgment was amended on August 30, 2001, to allow the Water Replenishment District to extract up to 3,300 acre-feet annually of saline water at its Goldsworthy Desalter wells without obtaining an Adjudicated Right, providing that the salinity of the water pumped exceeds 1,000 ppm chloride.

Watermaster Service

DWR forms Watermaster Service Areas at the request of water users or by order of the Superior Court.

Once a month, each groundwater pumper reports its extractions to the Watermaster and each water right account is revised by computation of the amount pumped during the previous month, the total amount pumped thus far during the current fiscal year, and the amount that can legally be pumped during the remainder of the fiscal year. Each pumper receives an updated copy of its account every month.

Accurate measurement of groundwater extractions is absolutely necessary to the success of the Basin's management plan. Therefore, the goal of Watermaster field staff is to calibrate the water meter on every active water well at least once every three years. Every available means, including system efficiency tests, are used to confirm water meter test results. Inaccurate meters must be repaired or replaced within 30 days of the date Watermaster sends a letter informing a party that a meter does not register accurately. Follow up tests on repaired meters and initial tests on new meters are scheduled whenever necessary.

One time in the fall and in the spring of each year the depth to the static groundwater level is measured in about 350 water wells in the Basin. The measurements are used to prepare "fall" and "spring" contour maps of groundwater elevations and "spring-to-spring" maps of areas of equal change in elevation over a one-year period.

Groundwater Recharge

Natural replenishment of the Basin's groundwater supply is limited to underflow from the Central Basin, which bounds the West Coast Basin on the east.

Water spread in the Central Basin percolates into aquifers there, and eventually some groundwater crosses the Newport-Inglewood Uplift to supplement the groundwater supply in the West Coast Basin. Although the recharge water is not directly applied to the West Coast Basin, this recharge process returns large quantities of water to the ground and substantially increases natural subsurface flow from the Central Basin to the

West Coast Basin. Effectiveness of the process is limited to the space available in one basin for spreading facilities and to the other basin's capability for accepting the water.

In-Lieu Replenishment

During the 1965-66 water year, the Water Replenishment District of Southern California (WRD) began a program of in-lieu replenishment. Any producer with access to supplemental water may use in-lieu replenishment water instead of water pumped from the ground. The program may be used to:

1. Alter pumping patterns within a groundwater basin;
2. Replenish areas of low transmissivity where conventional recharge techniques are ineffective;
3. Heighten the effect of injecting water to form a sea water barrier by reducing nearby extractions;
4. Reduce the amount of replenishment water purchased by WRD; or
5. Reduce the annual groundwater extraction from the West Coast Basin.

Sea Water Intrusion Barrier Projects

Sea water intrusion in the West Coast Basin along Santa Monica Bay has been effectively halted by the West Coast Basin Barrier Project, which consists of a line of 153 injection wells that parallels the coastline from Los Angeles International Airport to the Palos Verdes Hills.

The Los Angeles County Department of Public Works (LACDPW), which operates the project, injects State Water Project water and Colorado River water into the barrier to create a pressure ridge that impedes the inland movement of a salt water front and maintains protective groundwater elevations in the Silverado and "200-foot sand" aquifers. The scope of the project is shown in Figure 11, which illustrates the extent to which sea water has intruded into the merged phases of the Silverado aquifer.

Recently, the West Basin Municipal Water District has completed a tertiary treatment system to treat reclaimed water from the Hyperion wastewater treatment plant to produce water of acceptable quality to use for injection instead of State Water Project water and Colorado River water. Delivery of water from the plant, which includes reverse osmosis as a final treatment process, began in June 1995.

A second barrier to sea water intrusion was built by LACDPW along San Pedro Bay. This project, called the Dominguez Gap Barrier Project, started operating during February 1971 in a manner similar to that of the West Coast Basin Barrier Project. In November 2002 LACDWP added 12 observation wells and 33 injection wells at the Dominguez Gap Barrier, extending the barrier eastward. The injection wells, which

were constructed at 17 sites, inject water into two aquifer zones at each site. The construction of a waterline and appurtenances for the new wells started in February 2003 with expected completion in October 2004. These improvements are intended to stem leakage around the northeast terminus of the barrier.

The Water Replenishment District is working with the City of Los Angeles Department of Water and Power and the County of Los Angeles Department of Public Works to bring recycled water to the Dominguez Gap Barrier Project. Construction of an Advanced Water Treatment Facility was completed in 2003. Construction of the recycled water pipeline to the Dominguez Barrier is complete. The final adjustment of product water quality is in progress.

Desalter Projects

In 1993, the West Basin Municipal Water District constructed a 1.5 million gallon per day desalting plant in the City of Torrance (Brewer Desalter) to treat brackish groundwater. The desalter is to demonstrate desalting technology and to improve groundwater quality and management. The Desalter is operated by California Water Service Company.

The Water Replenishment District has constructed and is operating the Goldsworthy Desalter plant. The plant is located in the City of Torrance field services facility and is desalting approximately 250 acre-feet of saline groundwater per month. The salinity of the extractions exceeds 1,000 ppm chloride.

Water Recycling Program

The West Basin Municipal Water District has constructed a water recycling (reclamation) plant in El Segundo. The plant will recycle 70,000 acre-feet per year of reclaimed water from the City of Los Angeles' Hyperion treatment plant for distribution to industrial and landscape users and into the West Coast Basin Barrier. Initial deliveries started in June 1995.

Groundwater Levels

The volume of groundwater stored in the West Coast Basin is constantly changed by variations in subsurface inflow and outflow, artificial recharge, extractions, and, to a lesser degree, precipitation. The Silverado aquifer, underlying most of the West Coast Basin, is the most productive aquifer in the Basin. Ranging from 100 to 500 feet in thickness, it yields 80 to 90 percent of the groundwater extracted annually.

Contours of groundwater surface elevations are shown in Figures 5 and 6 and the summarization of changes in water level elevations is shown in Figure 7.

State Well Numbers have been assigned to water wells in the Basin (Figure 12).

Water Use

Population increase and industrial growth in the West Coast Basin caused water demand to increase substantially from 1943 to 1970 when growth leveled off. Prior to 1955, groundwater extractions met most of the demand. However, when the Judgment reduced extractions, imported water became the largest component of the Basin's water supply.

Figure 13 shows annual groundwater extractions and total water use since 1933.

Administration of the Judgment

The West Coast Basin Judgment contains provisions for the parties to obtain additional pumping rights, to exceed their entitled extractions, or otherwise to make variations in their annual pumping. The procedure thus established is described below.

Exchange Pool

The Court and Parties foresaw that adjudicating water rights and limiting total extractions within the Basin would not be satisfactory to all parties. As a consequence, Paragraph VI of the Judgment authorized a water Exchange Pool to provide additional water rights to members without supplementary water. Membership in the Exchange Pool is voluntary, and any party can join by filing an "Intention to be Bound by Paragraph VI of the Judgment" with the Watermaster and the Court. Members of the Exchange Pool are referenced with an asterisk in Appendix B. Recipients of exchange water may pump the amounts released to them in addition to their Adjudicated Right. Releases are limited by the Judgment.

Once each July, the Watermaster opens the Exchange Pool to permit this intermember exchange of water rights. The Pool is in operation when the Watermaster asks each member to estimate its water requirement and supply for the next year. If a member has supplemental water in addition to its Adjudicated Right and if its total supply exceeds its estimated requirement, it must make a Mandatory Offer to lease a portion of its pumping right equal to the difference between its Adjudicated Right and half its estimated requirement. Under no circumstance, however, can the Mandatory Offer and the estimated requirement together exceed the total supply. This limits the Mandatory Offer to an amount which can be replaced with supplemental water. Another type of offer is called the Voluntary Offer. Any member may voluntarily offer pumping rights to the Exchange Pool if its water supply exceeds its estimated requirement and it has no supplemental supply. However, the Watermaster must allocate all Mandatory Offers before using the Voluntary Offers. Voluntary Offers have not been used for several years.

The charge for a Mandatory Offer cannot exceed the price per acre-foot of replacement water; the charge for a Voluntary Offer cannot exceed the price per acre-foot charged by the West Basin Municipal Water District for imported water. The Watermaster determines the amount of water needed and computes the average price to be paid.

The cost per acre-foot is the weighted average price per acre-foot of all offers required to meet requests.

If a member's estimated water requirement exceeds its total water right, including leases, and it has no supplemental supply, the difference may be requested from the Exchange Pool.

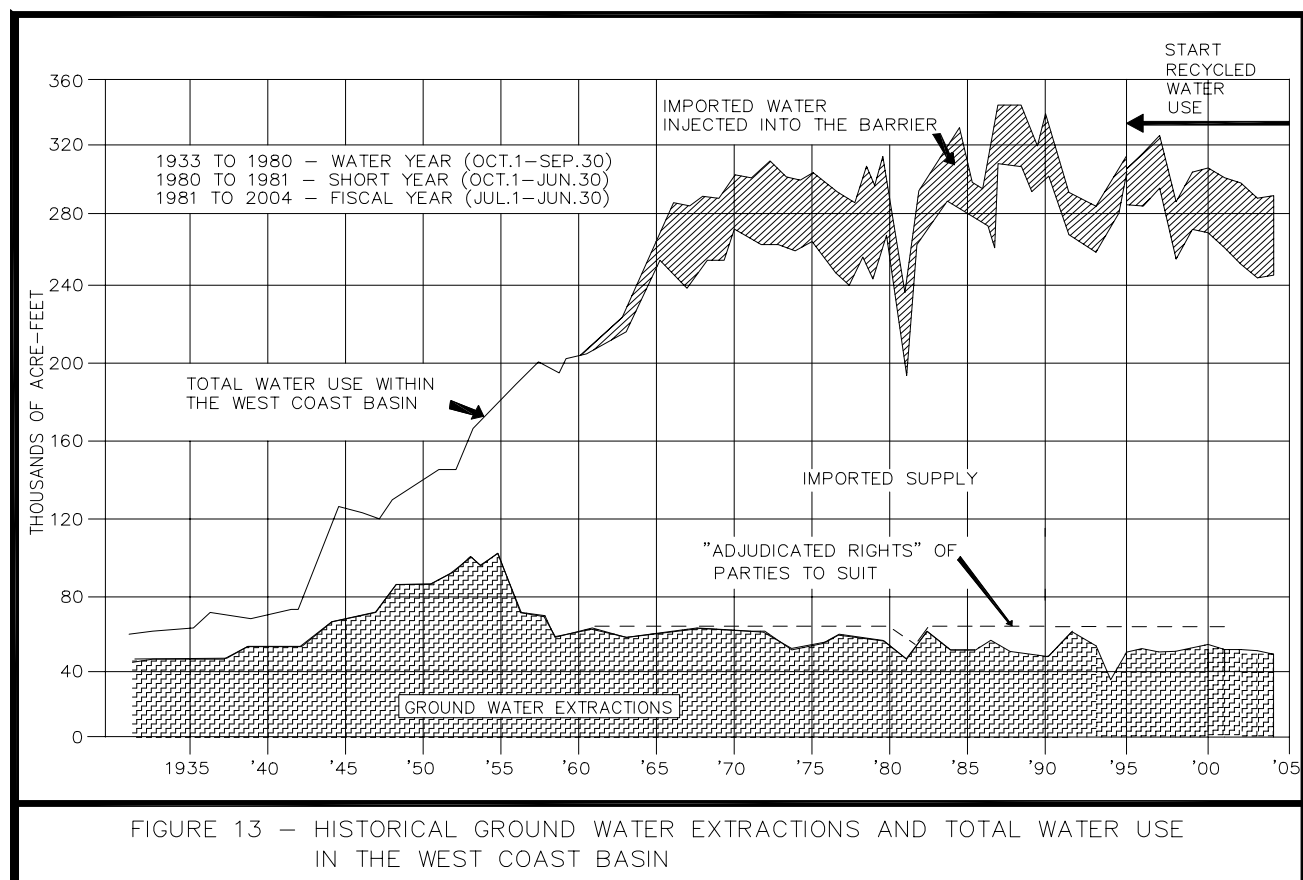
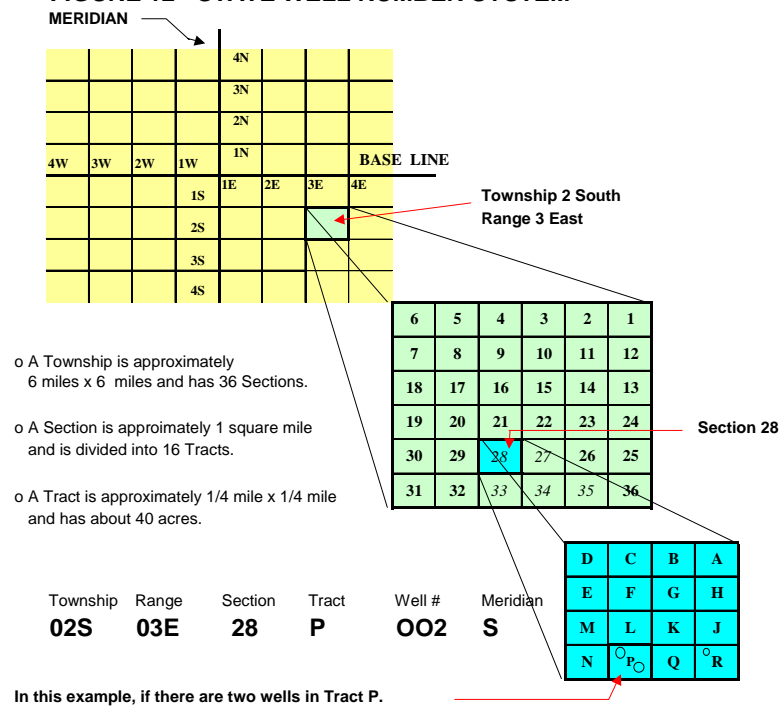
Transfers of Adjudicated Rights

Appendix B contains a copy of the documents substantiating each transfer. It also contains samples of recommended lease and sale agreements. The Watermaster recommends that documents be prepared on 8-1/2 x 11-inch paper.

Any necessary additions to the recommended agreement may be made by attaching another page.

In leasing, buying, or selling water rights, parties should be specific as to the type being exchanged, (i.e., Adjudicated Right, carryover). All leases should specify both amount of Adjudicated Right, to the nearest 0.01 acre-foot, and period of lease. All water right leases should be made on a fiscal year basis, (i.e., July 1 through June 30 of the following year).

The Watermaster keeps a list of parties who have expressed their interest in buying, selling, or leasing water rights. Any party wishing to be listed should call the Watermaster. This is not done as a Court-required function of Watermaster service. It is a courtesy informally administered to assist parties unable to resolve problems regarding an excess or deficiency of water rights. Watermaster makes no recommendation regarding transactions conducted relative to the use of this service. The names of all parties using this service are available in the Watermaster's office and may be obtained by telephone or visit to the office, or at our website <http://www.dpla.water.ca.gov/sd/>.

FIGURE 12 - STATE WELL NUMBER SYSTEM

APPENDIX B**ADJUDICATED RIGHTS OF WEST COAST BASIN PARTIES**Acknowledgement of Deed of Water Rights

Will be provided upon request.

Suggested Sample Documents for Transferring Water Rights 42

Succession of Adjudicated Rights in West Coast Basin 43

(Documents supporting yearly
leases not included in annual
report)

SUGGESTED SAMPLES OF DOCUMENTS FOR TRANSFERRING WATER RIGHTS

YEARLY LEASE	PERMANENT TRANSFER
<p><u>WATER RIGHT LICENSE AND AGREEMENT</u></p> <p>For a valuable consideration, THE JOHN DOE COMPANY hereby grants to John Smith: a license to extract _____ acre-feet of Licensor's Adjudicated Right allocated to Licensor (or predecessors in interest) under and pursuant to Judgment dated August 18, 1961 and entered in Los Angeles Superior Court Case No. 506806 entitled "California Water Service Company, et al. vs. City of Compton, et al." during the period commencing July 1, 20____ and continuing to and including June 30, 20____.</p> <p>Said License is granted subject to the following conditions:</p> <ol style="list-style-type: none"> (1) Licensee shall exercise said right and extract the same on behalf of THE JOHN DOE COMPANY during the period above specified and put the same to beneficial use and Licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of Licensor. (2) Licensee shall pay assessments levied on the pumping of said ground waters by the Water Replenishment District of Southern California. (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document. (4) Licensee shall note, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license. (5) Licensee's Adjudicated Right (shall) (shall not) be increased by the amount hereby leased when computing carryover or allowable overextraction as provided by Paragraph V(1) in said Judgment. <p>THE JOHN DOE COMPANY warrants that it has _____ acre-feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said _____ acre-feet during the period of July 1, 20____ through June 30, 20____.</p> <p>Dated: _____</p> <p>THE JOHN DOE COMPANY JOHN SMITH</p> <p>By _____ By _____</p> <p>Title _____ Title _____</p>	<p><u>DEED OF WATER RIGHTS</u></p> <p>For a valuable consideration, JOHN SMITH hereby sells and transfers to THE JOHN DOE COMPANY:</p> <p>The Right to extract _____ acre-feet of grantor's Adjudicated Right allocated to grantor (or predecessors in interest) under and pursuant to Judgment dated August 18, 1961 and entered in Los Angeles Superior Court Case No. 506806 entitled "California Water Service Company, et al. vs. City of Company, et al."</p> <p>Dated: _____</p> <p>THE JOHN DOE COMPANY JOHN SMITH</p> <p>By _____ By _____</p> <p>Title _____ Title _____</p>

SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2004

<u>ABC NURSERY, INC</u>		
SUCCESSOR TO JENKINS, HARRY C	1.80	
SUCCESSOR TO TITLE, SIDNEY R AND CHARLOTTE W	13.60	
SUCCESSOR TO VERBURG, WILLIAM AND CLARA B	6.70	
SUCCESSOR IN PART TO UNITED CALIFORNIA BANK	2.00	
TOTAL		<u>24.10</u>
<u>ABELL, FRANK</u>	1.80	
SOLD TO CITY OF INGLEWOOD	-1.80	
TOTAL		0.00
<u>ALCAST FOUNDRY, ET AL</u>	7.20	
SOLD TO CITY OF TORRANCE	-7.20	
TOTAL		0.00
<u>ALLIED CHEMICAL CORP</u> (SEE INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP)		
ALLIED CORP (FORMERLY: ALLIED CHEMICAL CORP) (NOW KNOWN AS ALLIED-SIGNAL, INC [EL SEGUNDO OFFICE])		
<u>ALLIED-SIGNAL, INC (TORRANCE OFFICE)</u>		
SUCCESSOR TO GARRETT CORP, THE	22.50	<u>22.50</u>
ALLIED-SIGNAL, INC (EL SEGUNDO OFFICE) (FORMERLY: ALLIED CORP (MERGED WITH HONEYWELL INTERNATIONAL, INC AND NAME CHANGED TO HONEYWELL INTERNATIONAL, INC)	255.00 -255.00	
TOTAL		0.00
ALWAG, HILARIO S AND EMMA		
SUCCESSOR TO T C NAVARRO	53.90	
SUCCESSOR TO PEGGY SWICK	5.50	
SOLD TO TORRANCE UNIFIED SCHOOL DISTRICT	-59.40	
TOTAL		0.00
<u>AMERICAN PLANT GROWERS, INC</u>		
SECOND WEST COAST BASIN JUDGMENT	2.60	
SUCCESSOR TO BEN CLUFF DAIRY	7.40	
SOLD TO SUNRISE GROWERS, INC	-10.00	
SUCCESSOR TO SUNRISE GROWERS, INC	10.00	
TOTAL		<u>10.00</u>
<u>ANDERSON, REMBERT C</u>	80.50	
SOLD TO SPARKLETTS DRINKING WATER CORP	-80.50	
TOTAL		0.00
<u>ASAHI FANCY KOI, INC</u>		
SUCCESSOR IN PART TO JAKE ENGELSMAN	2.00	<u>2.00</u>
ASSOCIATED SOUTHERN INVESTMENT CO (FORMERLY EDISON SECURITIES CO)	46.70	
SOLD TO SOUTHERN CALIFORNIA EDISON CO	-46.70	
TOTAL		0.00
<u>ATLANTIC RICHFIELD CO</u> (FORMERLY RICHFIELD OIL CO)	4,428.00	
SUCCESSOR TO MANVILLE SALES CORP	881.00	
TOTAL		<u>5,309.00</u>
<u>AUTOMATION INDUSTRIES, INC-HARRIS TUBE</u>		
SUCCESSOR TO HARRIS TUBE, INC	0.70	<u>0.70</u>
<u>BALLMAN, ROSEMARY N</u>	7.00	
SOLD TO UNITED CALIFORNIA BANK	-7.00	
TOTAL		0.00
<u>BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST BI-51)</u>	0.10	
RELEASED TO MICHAEL L ROCKWELL	-0.10	
TOTAL		0.00
<u>BARCLAY HOLLANDER CORP</u> (FORMERLY BARCLAY HOLLANDER CURCI INC)		
SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH	3.33	
SOLD TO TORRANCE, CITY OF	-3.33	
TOTAL		0.00
<u>BARCLAY HOLLANDER CURCI INC</u> (NOW KNOWN AS BARCLAY HOLLANDER CORP)		
BARCLAY, RICHARD AND R A WATT		
SUCCESSORS TO EMMA J OSBORN	32.66	
SUCCESSORS IN PART TO ISABELA J GRANZ ESTATE	13.55	
SUCCESSORS IN PART TO GEORGE R MURDOCK	13.75	
SOLD TO CITY OF TORRANCE	-59.96	
TOTAL		0.00
<u>BAUMAN, GUS A</u>	0.00	
TRANSFERRED TO PALOS VERDES BEGONIA FARM		
<u>BELVIDERE MUTUAL WATER CO</u>	33.40	
SOLD TO CITY OF TORRANCE	-33.40	
TOTAL		0.00
<u>BLACK, DANA</u>		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	<u>11.80</u>
BOISE CASCADE BUILDING CO		

SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2004

SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH	16.92	
SOLD TO INGLEWOOD, CITY OF	-16.92	
TOTAL		0.00
<u>BOARD OF RETIREMENT-LOS ANGELES CO EMPL RET SYS</u> SECOND WEST COAST BASIN JUDGMENT (NOW KNOWN AS LOS ANGELES COUNTY WESTERN AVE GOLF)		
<u>BRANDSMA, MAYNARD</u>		
SUCCESSOR IN PART TO ESTATE OF JOHN GRANT	11.80	
SOLD TO HILLSIDE MEMORIAL PARK	-11.80	
TOTAL		0.00
<u>BURKE, W F AND LOIS PRICE</u>	9.50	
SOLD TO H S SCOTT	-9.50	
TOTAL		0.00
<u>CBS INC</u>		
FORMERLY COLUMBIA BROADCASTING SYS INC	18.50	
SOLD TO MORAN, RONALD E	-9.00	
TOTAL		<u>9.50</u>
CALIFORNIA, STATE OF		
SUCCESSOR TO ROBERT L FULLILOVE	1.00	
SUCCESSOR TO JOE MONIZ JR	2.20	
SUCCESSOR IN PART TO KELLY PIPE CO	16.30	
SUCCESSOR IN PART TO FLAVIO RODRIGUEZ	4.00	
SUCCESSOR IN PART TO A H SMITH (SAM SURBER AND FRED SMITH)	2.60	
SOLD TO SPARKLETTS DRINKING WATER CORP	-26.10	
TOTAL		0.00
<u>CALIFORNIA WATER SERVICE CO</u>	3,071.00	
SUCCESSOR TO PALOS VERDES WATER CO	999.00	
TOTAL		<u>4,070.00</u>
<u>CALIFORNIA WATER SERVICE CO (DOMINGUEZ)</u>		
DOMINGUEZ WATER CO MERGED WITH AND INTO CALIFORNIA WATER SERVICE CO, WATERMASTER ACCOUNT KNOWN AS CALIFORNIA WATER SERVICE CO (DOMINGUEZ)	10,162.45	
SUCCESSOR TO HONEYWELL INTERNATIONAL INC	255.00	
TOTAL		<u>10,417.45</u>
<u>CARSON ESTATE CO</u>	130.00	
SOLD TO DOMINGUEZ WATER CORP	-130.00	
TOTAL		0.00
<u>CARSON-HARBOR VILLAGE MOBILE HOME PARK</u>		
SUCCESSOR TO ETCEHEMENDY, CAROLINE, ESTATE OF	8.20	<u>8.20</u>
<u>CARSON-MADRONA CO</u>		
SUCCESSOR TO CHANSLOR-WESTERN OIL AND DEVELOP CO	104.00	<u>104.00</u>
<u>CENTURY BUILDERS</u>		
SUCCESSOR TO UNION NURSERY, INC	4.70	<u>4.70</u>
<u>CHANDLERS PALOS VERDES SAND AND GRAVEL CORP</u>	15.00	
SUCCESSOR TO SOUTHWESTERN PORTLAND CEMENT CO		
SECOND WEST COAST BASIN JUDGMENT	95.20	
SUCCESSOR TO TORRANCE SAND AND GRAVEL CORP	184.00	
TOTAL		<u>294.20</u>
<u>CHANSLOR-WESTERN OIL AND DEVELOPMENT CO</u>	104.00	
(FORMERLY CHANSLOR-CANFIELD MIDWAY OIL CO)		
SOLD TO CARSON-MADRONA CO	-104.00	
TOTAL		0.00
CHEMICALS CO OF ALLIED CORP (FORMERLY INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP) (NOW KNOWN AS ALLIED CORP)		
<u>CHEVRON USA INC</u>	4,541.70	
(FORMERLY STANDARD OIL CO OF CALIFORNIA) SUBJECT TO LONG TERM LEASE FROM ISABELLA GRANZ PER JUDGEMENT	59.60	
TOTAL		<u>4,601.30</u>
<u>CHRISTIE, CLEM, DON C FOHL AND LEON LARSON</u>	0.02	
(TRUSTEES OF WILMINGTON CEMETERY ASSOC)		
ABANDONED WATER RIGHT	-0.02	
TOTAL		0.00
<u>CHURCHILL DOWNS CALIFORNIA CO</u>		
SUCCESSOR TO HOLLYWOOD PARK OPERATING CO	282.00	<u>282.00</u>
CLUFF, BEN DAIRY		
SUCCESSOR TO EDWARD AND EMILY COST	7.40	
SOLD TO AMERICAN PLANT GROWERS, INC	-7.40	
TOTAL		0.00
COAST FOREST PRODUCTS		
SUCCESSOR TO SOUTHWEST STEEL ROLLING MILLS	3.40	
SOLD TO GEORGIA-PACIFIC CORP	-3.40	

**SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST
BASIN-JUNE 2004**

TOTAL	0.00	
COASTLINE CHURCH OF CHRIST		
SUCCESSOR TO LERMENS, EVELYN	0.70	<u>0.70</u>
COLLISTER, CAMERON		
SUCCESSOR TO JOUGHIN TORRANCE RANCH	136.82	
QUITCLAIMED TO NORMANDIE PARK	-136.82	
TOTAL	0.00	
COLUMBIA BROADCASTING SYSTEM, INC (NOW KNOWN AS CBS INC)		
CONOCOPHILLIS COMPANY		
SUCCESSOR TO TOSCO CORPORATION	6,170.00	<u>6,170.00</u>
COST, EDWARD AND EMILY	7.40	
SOLD TO BEN CLUFF DAIRY	-7.40	
TOTAL	0.00	
CURTIS, OWEN W	3.80	
SOLD TO SOUTHERN CALIFORNIA WATER CO	-3.44	
TOTAL		<u>0.36</u>
DEL AMO ESTATE CO	121.00	
SOLD TO DOMINGUEZ WATER CORP	-121.00	
TOTAL	0.00	
DELANEY, GOLDA, ESTATE OF (FORMERLY ARTHUR J DELANEY)		
SUCCESSOR TO BEGO CORP	4.10	<u>4.10</u>
DENNIS, ESTHER M SHEETS (FORMERLY ESTHER M SHEETS)	5.50	
SOLD TO TORRANCE, CITY OF	-5.50	
TOTAL	0.00	
DESSER ENTERPRISES		
SECOND WEST COAST BASIN JUDGMENT	0.00	<u>0.00</u>
DOMINGUEZ ESTATE CO	254.00	
SOLD TO DOMINGUEZ WATER CORP	-254.00	
TOTAL	0.00	
DOMINGUEZ WATER CORP (NOW KNOWN AS DOMINGUEZ WATER CO)		
DOMINGUEZ WATER CO	9,477.80	
(FORMERLY KNOWN AS DOMINGUEZ WATER CORP)		
SUCCESSOR TO CARSON ESTATE CO	130.00	
SUCCESSOR TO DEL AMO ESTATE CO	121.00	
SUCCESSOR TO DOMINGUEZ ESTATE CO	254.00	
SUCCESSOR TO DON WILSON BUILDERS	32.60	
SUCCESSOR TO HEYDENBECK, JEANETTE R	0.70	
SUCCESSOR TO NAKANO, KIKUNO, ET AL	19.30	
SUCCESSOR IN PART TO H J EARLY	91.00	
SUCCESSOR IN PART TO R A WATT, INC	61.85	
SOLD IN PART TO WATSON LAND CO	-37.60	
SUCCESSOR TO THORPE, GREGORY	11.80	
DOMINGUEZ WATER CO MERGED WITH AND INTO CALIFORNIA WATER SERVICE CO, WATERMASTER ACCOUNT KNOWN AS CALIFORNIA WATER SERVICE CO (DOMINGUEZ)	-10,162.45	
TOTAL	0.00	
DON WILSON BUILDERS		
SUCCESSORS TO KASUO, ISAMU, AND YOSHIKI R KITA	32.60	
SOLD TO DOMINGUEZ WATER CORP	-32.60	
TOTAL	0.00	
DOUGLAS AIRCRAFT CO, INC (SEE MCDONNELL DOUGLAS CORP)		
EARLY, H J AND DAISY	111.00	
SOLD TO DOMINGUEZ WATER CORP	-91.00	
SOLD TO SAMUEL R AND RAYMOND S FUJIMOTO	-20.00	
TOTAL	0.00	
EDISON SECURITIES CO (NOW KNOWN AS ASSOCIATED SOUTHERN INVESTMENT CO)		
EL SEGUNDO, CITY OF	953.00	<u>953.00</u>
ENGELSMA, JAKE		
SUCCESSOR TO WILBUR HORNSTRA	14.10	
SOLD TO ASAH FANCY KOI, INC	-2.00	
TRANSFERRED TO SUSAN ENGELSMA, TRUSTEE ET AL	-12.10	
TOTAL	0.00	
ENGELSMA, SUSAN: TRUSTEE OF THE SUSAN ENGELSMA TRUST		
TRANSFERRED FROM JAKE ENGELSMA	12.10	<u>12.10</u>
EQUILON ENTERPRISES, LLC		
SUCCESSOR TO TEXACO REFINING AND MARKETING, INC	3,432.00	
SOLD TO SHELL OIL PRODUCTS US	-3,432.00	
TOTAL	0.00	
ETCHEMENDY, CAROLINE, ESTATE OF	8.20	
SOLD TO CARSON-HARBOR VILLAGE MOBILE HOME PARK	-8.20	
TOTAL	0.00	
EVERGREEN AMERICA CORP		
SUCCESSOR TO POTHOS CORP	5.40	<u>5.40</u>
EWING, CARMELITA ROSECRANS	91.30	
SOLD TO SOUTHERN CALIFORNIA WATER	-91.30	

**SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST
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CO		
TOTAL		0.00
EWING, NED ET AL		
SUCCESSOR IN PART TO ISABEL J GRANZ	6.50	
ESTATE		
SOLD TO R A WATT, INC	-6.50	
TOTAL		0.00
FLESH, LESLIE R AND ANDOR PASTERNAK, ET AL		
SUCCESSORS TO ALFRED D AND RUTH SEABACK	3.50	
SOLD TO STANLEY C LAGERLOF	-3.50	
TOTAL		0.00
FLETCHER OIL AND REFINING CO (FORMERLY FLETCHER OIL CO)	86.30	
SUCCESSOR TO FLETCHER, ROBERT G ET AL	3.70	
SOLD TO WESTERN WATER CO	-90.00	
TOTAL		0.00
FLETCHER, ROBERT G, DANIEL S, AND WILFRED O		
SUCCESSOR TO FRED A JUNGQUIST	3.70	
SOLD TO FLETCHER OIL AND REFINING CO	-3.70	
TOTAL		0.00
FUJIMOTO, SAMUEL R (FORMERLY KNOWN AS FUJIMOTO, SAMUEL R AND RAYMOND S)		
SUCCESSOR IN PART TO H J AND DAISY	20.00	
EARLY		
SOLD TO FUJIMOTO, SAMUEL R, STEVEN T AND JON T JOINT TENANTS	-20.00	
TOTAL		0.00
FUJIMOTO, SAMUEL R AND RAYMOND S (SEE FUJIMOTO, SAMUEL R)		
FUJIMOTO, SAMUEL R, STEVEN T AND JON K, JOINT TENANTS		
SUCCESSOR TO FUJIMOTO, SAMUEL R	20.00	<u>20.00</u>
FULLILOVE, ROBERT L	1.00	
SOLD TO STATE OF CALIFORNIA	-1.00	
TOTAL		0.00
FUTURA INDUSTRIES, INC		
SUCCESSOR TO SPANISH AMERICAN INSTITUTE	44.40	
SOLD TO KAUFMAN, LEO AND SHELDON BAER	-44.40	
TOTAL		0.00
GARRETT CORP, THE		
SUCCESSOR TO SHINODA BROTHERS INC	22.50	
TRANSFERRED TO ALLIED-SIGNAL INC (TORRANCE OFFICE)	-22.50	
TOTAL		0.00
GATX TANK STORAGE TERMINALS CORP		
SUCCESSOR TO PHILLIPS PETROLEUM CO	167.00	
SOLD TO KINDER MORGAN LIQUIDS TERMINALS, LLC.	-167.00	
TOTAL		0.00
GEORGIA-PACIFIC CORP		
SUCCESSOR TO COAST FOREST PRODUCTS	3.40	
SOLD TO INGLEWOOD, CITY OF	-3.40	
TOTAL		0.00
GERAHUE LAND CO		
SUCCESSOR AND ASSIGNEE FOR A S JOHNSTON DRILL CO	11.90	
ABANDONED WATER RIGHT	-11.90	
TOTAL		0.00
GILLINGHAM, FLORENCE R, ET AL	2.40	<u>2.40</u>
GONZALES, FELIPE AND GABRIELA (NOW KNOWN AS GONZALES, GABRIELA AND MARIA R)		
GONZALES, GABRIELA AND MARIA R (FORMERLY GONZALES, FELIPE AND GABRIELA)	34.30	
SOLD TO TORRANCE, CITY OF	-34.30	
TOTAL		0.00
GRAND LAND CO		
SUCCESSOR IN PART TO SMITH, A H, ET AL	5.70	
ABANDONED WATER RIGHTS 1961-62	-5.70	
TOTAL		0.00
GRANT, JOHN, ESTATE OF	59.00	
APPORTIONED IN PART TO BLACK, DANA	-11.80	
APPORTIONED IN PART TO BRANDSMA, MAYNARD	-11.80	
APPORTIONED IN PART TO HONOLD, KRISTIN BRANDSMA	-11.80	
APPORTIONED IN PART TO THORPE, GREGORY	-11.80	
APPORTIONED IN PART TO THORPE, TERENCE	-11.80	
TOTAL		0.00
GRANZ, ISABELA J	380.00	
PARTITIONED TO HEIRS:		
ISABELA J GRANZ ESTATE	-33.80	
JOUGHIN TORRANCE RANCH	-212.42	
GEORGE R MURDOCK	-15.12	
EMMA J OSBORN	-32.66	

**SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST
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SUBJECT TO LONG TERM LEASE TO: STANDARD OIL CO OF CALIF SUPERIOR OIL CO TOTAL	-59.60 -26.40 0.00	
GRANZ, ISABELA J, ESTATE OF SUCCESSOR IN PART TO ISABELA J GRANZ SOLD IN PART TO RICHARD BARCLAY AND R A WATT SOLD IN PART TO NED EWING, ET AL SOLD IN PART TO R A WATT, INC TOTAL	33.80 -13.55 -6.50 -13.75 0.00	
HARRIS, R AND L SUCCESSOR TO LAWRENCE I LISTON DISCLAIMED WATER RIGHT TOTAL	0.70 -0.70 0.00	
HARRIS TUBE, INC SUCCESSOR IN PART TO B ROBINSON AND ASSOCIATES TRANSFERRED TO AUTOMATION IND INC- HARRIS TUBE TOTAL	0.70 -0.70 0.00	
HAWTHORNE, CITY OF	1,882.00	1,882.00
HENDERSON, BEATRICE M ABANDONED WATER RIGHT TOTAL	1.30 -1.30 0.00	
HEYDENBECK, JEANETTE R (FORMERLY JEANETTE R REIFSNYDER) SOLD TO DOMINGUEZ WATER CORP TOTAL	0.70 -0.70 0.00	
HILLSIDE MEMORIAL PARK SUCCESSOR TO SANTA FE LAND IMPROVEMENT CO SUCCESSOR TO SIGMUND S AND LIONEL S HOCKWALD SUCCESSOR TO THORPE, TERRENCE SUCCESSOR TO BRANDSMA, MAYNARD TOTAL	16.70 39.50 12.50 11.80 11.80 92.30	
HOCKWALD, SIGMUND S AND LIONEL S SOLD TO HILLSIDE MEMORIAL PARK TOTAL	12.50 -12.50 0.00	
HOLLYWOOD PARK INC (FORMERLY HOLLYWOOD TURF CLUB) (NOW KNOWN AS HOLLYWOOD PARK OPERATING CO) HOLLYWOOD PARK OPERATING CO (FORMERLY HOLLYWOOD PARK INC) SOLD TO CHURCHILL DOWNS CALIFORNIA CO TOTAL	282.00 -282.00 0.00	
HOLLYWOOD TURF CLUB (NOW KNOWN AS HOLLYWOOD PARK INC) HONEYWELL INTERNATIONAL INC MERGED WITH ALLIED-SIGNAL INC (EL SEGUNDO OFFICE) AND THE CORP NAME CHANGED TO HONEYWELL INTERNATIONAL INC SOLD TO CALIFORNIA WATER SERVICE CO (DOMINGUEZ) TOTAL	255.00 -255.00 0.00	
HONOLD, KRISTIN BRANDSMA SUCCESSOR IN PART TO ESTATE OF JOHN GRANT HORNSTRA, WILBUR SOLD TO JAKE ENGELSMA TOTAL	11.80 11.80 14.10 -14.10 0.00	
HUGHES AIRCRAFT (SEE 1981 JUDGMENT ORDER) HUNT, DONALD G SUCCESSOR TO JAMES SCANDA SOLD TO KENICHI INOSE TOTAL	0.00 1.90 -1.90 0.00	
INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP (FORMERLY ALLIED CHEMICAL CORP, GEN CHEMICAL CO) (NOW KNOWN AS ALLIED CORP) INGLEWOOD, CITY OF	0.70 16.92 3.40 44.40 1.37 4,449.89	
SUCCESSOR TO ABELL, FRANK SUCCESSOR TO BOISE CASCADE BUILDING CO SUCCESSOR TO GEORGIA-PACIFIC CORP SUCCESSOR TO KAUFMAN, LEO AND SHELDON BAER SUCCESSOR IN PART TO GEORGE R MURDOCK TOTAL	1.80 16.92 3.40 44.40 1.37 4,449.89	
INOSE ET AL (KEN K INOSE, KAY K INOSE, KIYOKO YOSHIYAMA, KENICHI INOSE, KAYOKO K INOSE AND DAVID T NAKATANI, TRUSTEE OF THE INOSE CHILDREN TRUST U/D/T DATE 11/1/78) (FORMERLY INOSE, KENICHI) SUCCESSOR TO HUNT, DONALD G SUCCESSOR TO THAXTER, RALPH AND LOIS	1.90 3.50	

**SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST
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A LENOIR SOLD TO POTHOS CORP TOTAL	-5.40 0.00	
INOSE, KENICHI (NOW KNOWN AS INOSE ET AL) JENKINS, HARRY C SUCCESSOR TO H L PERRY SOLD TO ABC NURSERY, INC TOTAL	1.80 -1.80 0.00	
JOHNS-MANVILLE PRODUCTS CORP (SEE JOHNS-MANVILLE SALES CORP) JOHNS-MANVILLE SALES CORP (FORMERLY: JOHNS-MANVILLE PRODUCTS CORP MANVILLE SERVICE CORP) (NOW KNOWN AS MANVILLE SALES CORP) TOTAL	11.90 -11.90 0.00	
JOHNSTON, A S, DRILLING CO ASSIGNED TO GERAHUE LAND CO TOTAL	11.90 -11.90 0.00	
JONES, ANNA MAE SOLD TO CITY OF TORRANCE TOTAL	50.20 -50.20 0.00	
JOUGHIN TORRANCE RANCH SUCCESSOR IN PART TO ISABELA J GRANZ SOLD IN PART TO BARCLAY HOLLANDER CURCI INC SOLD IN PART TO BOISE CASCADE BUILDING CO SOLD IN PART TO COLLISTER, CAMERON SOLD IN PART TO R A WATT, INC TOTAL	212.42 -3.33 -16.92 -136.82 -55.35 0.00	
JUNGQUIST, FRED A (FORMERLY KATHERINE P WOODMAN) SOLD TO ROBERT G FLETCHER ET AL TOTAL	3.70 -3.70 0.00	
KAHLERT, ET AL AND SUCCESSOR IN PART TO KELLY PIPE CO SOLD TO SPARKLETTS DRINKING WATER CORP TOTAL	18.90 -18.90 0.00	
KAUFMAN, LEO AND SHELDON BAER SUCCESSOR TO FUTURA INDUSTRIES INC SOLD TO CITY OF INGLEWOOD TOTAL	44.40 -44.40 0.00	
KELLY PIPE CO SOLD IN PART TO STATE OF CALIFORNIA SOLD IN PART TO KAHLERT, ET AL SOLD IN PART TO SPARKLETTS DRINKING WATER CORP TOTAL	49.00 -16.30 -18.90 -13.80 0.00	
KINDER MORGAN LIQUIDS TERMINALS, LLC. SUCCESSOR TO GATX TANK STORAGE TERMINALS CORP.	167.00	167.00
KITA, ISAMU, KASUO, AND YOSHIKI R SOLD TO DON WILSON BUILDERS TOTAL	32.60 -32.60 0.00	
KURTZ, GLADYS SOLD TO SPARKLETTS DRINKING WATER CORP TOTAL	3.50 -3.50 0.00	
LAGERLOF, STANLEY C SUCCESSOR TO LESLIE R FLESCH AND ANDOR PASTERNAK, ET AL SOLD TO SHELL OIL CO TOTAL	3.50 -3.50 0.00	
LAWLER, JAMES K SOLD TO B ROBINSON AND ASSOC TOTAL	3.10 -3.10 0.00	
LERMENS, EVELYN (FORMERLY LERMENS, ALFRED) SOLD TO COASTLINE CHURCH OF CHRIST TOTAL	0.70 -0.70 0.00	
LEUZINGER, EMMA L LISTON, LAWRENCE SOLD TO R AND L HARRIS TOTAL	1.40 0.70 -0.70 0.00	1.40
LITTLE, WILLIAM SUCCESSOR TO ROCKWELL, MICHAEL SOLD TO WATT INDUSTRIAL PROPERTIES TOTAL	0.10 -0.10 0.00	
LOMITA, CITY OF WATER SYSTEM (WWD 13) (FORMERLY LOS ANGELES COUNTY WATERWORKS DISTRICT NO 13) LONG BEACH, CITY OF	1,352.00 0.70 0.70	1,352.00
LOPES, FRANK LOS ANGELES, CITY OF LOS ANGELES COUNTY-ALONDRA PARK SUCCESSOR TO LOS ANGELES COUNTY FLOOD CONTROL DIST TOTAL	3.70 1,503.00 28.70 39.00 67.70	3.70 1,503.00

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COUNTY CHESTER L WASHINGTON GOLF COURSE (FORMERLY LOS ANGELES COUNTY WESTERN AVENUE GOLF COURSE)	296.00	<u>296.00</u>
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	37.60	
SUCCESSOR IN PART TO A H SMITH, ET AL	1.40	
SOLD TO LOS ANGELES COUNTY - ALONDRA PARK	-39.00	
TOTAL		0.00
LOS ANGELES COUNTY SANITATION DIST NO 2	102.00	<u>102.00</u>
LOS ANGELES COUNTY WATERWORKS DISTRICT NO 13 (NOW KNOWN AS LOMITA, CITY OF WATER SYSTEM WWD 13)		
LOS ANGELES COUNTY WATERWORKS DISTRICT NO 22	551.00	
SOLD TO SOUTHERN CALIF WATER CO	-551.00	
TOTAL		0.00
LOS ANGELES COUNTY WESTERN AVE GOLF COURSE (FORMERLY BOARD OF RETIREMENT OF THE LOS ANGELES COUNTY EMPLOYEES RETIREMENT SYSTEM) (NOW KNOWN AS LOS ANGELES CHESTER L WASH GOLF)		
LOYOLA MARYMOUNT UNIVERSITY (FORMERLY LOYOLA UNIVERSITY OF LOS ANGELES)	48.10	<u>48.10</u>
MANHATTAN BEACH, CITY OF	1,131.20	<u>1,131.20</u>
MANVILLE SALES CORP	881.00	
(FORMERLY: JOHNS-MANVILLE SALES CORP JOHNS-MANVILLE PRODUCTS CORP MANVILLE SERVICE) SOLD TO ATLANTIC RICHFIELD CO	-881.00	
TOTAL		0.00
MANVILLE SERVICE CORP (SEE JOHNS-MANVILLE SALES CORP)		
MARTIN BROTHERS BOX CO, INC	3.40	
SOLD TO SOUTHWEST STEEL ROLLING MILLS	-3.40	
TOTAL		0.00
MAYFLOWER NURSERIES (HERBERT SAKAYE FUKUWAI, DBA)	0.00	<u>0.00</u>
MCCANDLESS, JAMES	6.70	
SOLD TO SPARKLETTS DRINKING WATER CORP	-6.70	
TOTAL		0.00
MCDONNELL DOUGLAS CORP (FORMERLY DOUGLAS AIRCRAFT, CO INC) LONG TERM LEASE FROM UNITED STATES NAVY DEPARTMENT	1.70	<u>1.70</u>
MOBIL OIL CORP (FORMERLY SOCONY MOBIL OIL CO)	2,570.00	
SUCCESSOR TO SUPERIOR OIL CO	26.40	
TOTAL		<u>2,596.40</u>
MONETA MUTUAL WATER CO	916.00	
SOLD TO CITY OF TORRANCE	-916.00	
TOTAL		0.00
MONIZ, JOE JR	2.20	
SOLD TO STATE OF CALIFORNIA	-2.20	
TOTAL		0.00
MORAN, RONALD E		
SUCCESSOR IN PART TO COLUMBIA BROADCASTING SYSTEM, INC	9.00	
SOLD TO CITY OF TORRANCE	-9.00	
TOTAL		0.00
MORI, ROY H AND KENJI		
SECOND WEST COAST BASIN JUDGMENT SOLD TO NOZAKI, SUMIKICHI	5.60	
TOTAL	-2.00	<u>3.60</u>
MURDOCK, GEORGE R		
SUCCESSOR IN PART TO ISABELA J GRANZ	15.12	
SOLD IN PART TO R BARCLAY AND R A WATT	-13.75	
SOLD IN PART TO CITY OF INGLEWOOD	-1.37	
TOTAL		0.00
NAKANO, KIKUNO, ET AL	19.30	
SOLD TO DOMINGUEZ WATER CORP	-19.30	
TOTAL		0.00
NAVARRO, T C	53.90	
SOLD TO HILARIO S AND EMMA ALWAG	-53.90	
TOTAL		0.00
NORAIR, A DIVISION OF NORTHROP CORP (FORMERLY KNOWN AS NORTHROP AIRCRAFT, INC) (NOW KNOWN AS NORTHROP CORP)		
NORMANDIE PARK		
SUCCESSOR TO COLLISTER, CAMERON	136.82	
SOLD TO CITY OF TORRANCE	-136.82	
TOTAL		0.00
NORTHROP CORP (FORMERLY KNOWN AS NORAIR, A DIV OF NORTHROP CORP)	38.15	<u>38.15</u>
NOZAKI, SUMIKICHI		
SUCCESSOR IN PART TO MORI, ROY H AND KENJI	2.00	
SUCCESSOR IN PART TO UNITED	5.00	

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CALIFORNIA BANK		
TOTAL		<u>7.00</u>
OSBORN, EMMA J		
SUCCESSOR IN PART TO ISABELA J GRANZ	32.66	
SOLD TO R BARCLAY AND R A WATT	-32.66	
TOTAL		0.00
OTANI, CHISATO	0.00	<u>0.00</u>
PACIFIC CREST CEMETERY CO	17.70	
SUCCESSOR TO H S SCOTT	9.50	
SUCCESSOR TO WADA, KAORU AND SATORU	12.20	
TOTAL		<u>39.40</u>
PALOS VERDES BEGONIA FARM		
SUCCESSOR TO GUS A BAUMAN	0.00	<u>0.00</u>
PALOS VERDES WATER CO	999.00	
SOLD TO CALIFORNIA WATER SERVICE CO	-999.00	
TOTAL		0.00
PARK WATER CO	160.00	
SOLD TO SOUTHERN CALIFORNIA WATER	-160.00	
TOTAL		0.00
PARKE, ZORAIDA	1.80	
SOLD TO H L PERRY	-1.80	
TOTAL		0.00
PASCHKE, WILLIAM JOSEPH	0.02	
ABANDONED WATER RIGHT	-0.02	
TOTAL		0.00
PERRY, H L		
SUCCESSOR TO ZORAIDA PARKE	1.80	
SOLD TO HARRY C JENKINS	-1.80	
TOTAL		0.00
PHILLIPS PETROLEUM CO (FORMERLY TIDEWATER OIL CO)	167.00	
SOLD TO GATX TANK STORAGE TERM CORP	-167.00	
TOTAL		0.00
POTHOS CORP		
SUCCESSOR TO INOSE ET AL	5.40	
SOLD TO EVERGREEN AMERICA CORP	-5.40	
TOTAL		0.00
REHOR, JOSEPHINE P	2.20	<u>2.20</u>
REIFSNYDER, JEANETTE R (NOW KNOWN AS JEANNETTE R HEYDENBECK)		
RHODIA, INC		
SUCCESSOR TO RHONE-POULENC INC	521.00	<u>521.00</u>
RHONE-POULINE BASIC CHEMICAL CO		
SUCCESSOR TO STAUFFER CHEMICAL CO	521.00	
SOLD TO RHONE-POULINE INC	-521.00	
TOTAL		0.00
RHONE-POULENC INC		
SUCCESSOR TO RHONE-POULENC, BASIC CHEMICAL CO	521.00	
SOLD TO RHODIA, INC	-521.00	
TOTAL		0.00
RICHFIELD OIL CORP (NOW KNOWN AS ATLANTIC RICHFIELD CO)		
ROBINSON, B, AND ASSOCIATES		
SUCCESSOR TO JAMES K LAWLER	3.10	
SOLD IN PART TO HARRIS TUBE, INC	-0.70	
SOLD IN PART TO SOUTHERN CALIFORNIA WATER CO	-2.40	
TOTAL		0.00
ROCKWELL, MICHAEL L		
SUCCESSOR TO BANK OF AMERICA	0.10	
NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST B 1-51)		
SOLD TO LITTLE, WILLIAM	-0.10	
TOTAL		0.00
RODRIGUEZ, FLAVIO	6.10	
SOLD TO STATE OF CALIFORNIA	-4.00	
DISCLAIMED WATER RIGHT	-2.10	
TOTAL		0.00
ROMAN CATHOLIC ARCHBISHOP OF LOS ANGELES (HOLY CROSS CEMETERY)	72.30	<u>72.30</u>
RUFFNER CORP		
SUCCESSOR TO LOUIS M SEPULVEDA	0.70	
ABANDONED WATER RIGHT	-0.70	
TOTAL		0.00
RYAN AERONAUTICAL CO	20.20	
SOLD TO SOUTHERN CALIFORNIA WATER CO	-20.20	
TOTAL		0.00
SANTA FE LAND IMPROVEMENT CO	39.50	
SOLD TO HILLSIDE MEMORIAL PARK	-39.50	
TOTAL		0.00
SCANDA, JAMES AND GEORGE NASSIN	1.90	
SOLD TO DONALD G HUNT	-1.90	
TOTAL		0.00
SCHLAEGEL, KEITH W AND OPAL B	13.60	
SOLD TO SIDNEY R AND CHARLOTTE W TITLE	-13.60	
TOTAL		0.00

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SCOTT, H S	
SUCCESSOR TO W F BURKE AND LOIS	9.50
PRICE	
QUITCLAIMED TO PACIFIC CREST	-9.50
CEMETERY CO	
TOTAL	
SEABACK, ALFRED D AND RUTH	3.50
SOLD TO LESLIE R FLESH AND OR	-3.50
PASTERNAK, ET AL	
TOTAL	
SEPULVEDA, LOUIS M	0.70
ACQUIRED BY RUFFNER CORP	-0.70
TOTAL	
SHEETS, ESTHER M	
(FORMERLY CLYDE L SHEETS)	
(SEE DENNIS, ESTHER M SHEETS)	
SHELL OIL CO	4,516.00
SUCCESSOR TO LAGERLOF, STANLEY C	3.50
SOLD IN PART TO UNION OIL CO OF CAL	-1,974.00
SOLD IN PART TO UNION OIL CO OF CAL	-1,526.00
TOTAL	
SHELL OIL PRODUCTS US	
SUCCESSOR TO EQUILON ENTERPRISES,	3,432.00
LLC	
SHINODA BROTHERS, INC	
SECOND WEST COAST BASIN JUDGMENT	22.50
SOLD TO GARRETT CORP, THE	-22.50
TOTAL	
SMITH, A H,(SAM SURBER AND FRED A SMITH)	9.70
SOLD IN PART TO STATE OF CALIFORNIA	-2.60
SOLD IN PART TO GRAND LAND CO	-5.70
SOLD IN PART TO L A CO FLOOD CONTROL	-1.40
DISTRICT	
TOTAL	
SOCONY MOBIL OIL CO	
(SEE MOBIL OIL CO)	
SOUTHERN CALIFORNIA EDISON CO	10.40
SUCCESSOR TO ASSOCIATED SOUTHERN	46.70
INVESTMENT CO	
TOTAL	
SOUTHERN CALIFORNIA WATER CO	6,265.30
SUCCESSOR TO EWING, CARMELITA	91.30
ROSECRANS	
SUCCESSOR TO LOS ANGELES COUNTY	551.00
WATERWORKS DIST NO 22	
SUCCESSOR TO PARK WATER CO	160.00
SUCCESSOR TO RYAN AERONAUTICAL CO	20.20
SUCCESSOR TO SOUTHERN PACIFIC CO	166.00
SUCCESSOR IN PART TO OWEN W CURTIS	3.44
SUCCESSOR IN PART TO B ROBINSON AND	2.40
ASSOCIATES	
TOTAL	
SOUTHERN PACIFIC CO	166.00
SOLD TO SO CALIFORNIA WATER CO	-166.00
TOTAL	
SOUTHWEST STEEL ROLLING MILLS	
SUCCESSOR TO MARTIN BROTHERS BOX	3.40
CO, INC	
SOLD TO COAST FOREST PRODUCTS	-3.40
TOTAL	
SPANISH AMERICAN INSTITUTE	44.40
SOLD TO FUTURA INDUSTRIES, INC	-44.40
TOTAL	
SPARKLETT'S DRINKING WATER CORP	
SUCCESSOR TO ANDERSON, REMBERT C,	80.50
ET AL	
SUCCESSOR TO CALIFORNIA, STATE OF	26.10
SUCCESSOR TO KAHLERT, ET AL	18.90
SUCCESSOR TO KURTZ, GLADYS	3.50
SUCCESSOR TO MCCANDLESS, JAMES	6.70
SUCCESSOR TO WECHSLER, B A	3.10
SUCCESSOR IN PART TO KELLY PIPE CO	13.80
SOLD TO WESTERN WATER CO	-152.60
TOTAL	
STANDARD OIL CO OF CALIFORNIA	
(NOW KNOWN AS CHEVRON U S A, INC)	
STAUFFER CHEMICAL CO	521.00
SOLD TO RHONE-POULENC BASIC	-521.00
CHEMICALS CO	
TOTAL	
SUNRISE GROWERS, INC	
SUCCESSOR TO AMERICAN PLANT	10.00
GROWERS INC	
SOLD TO AMERICAN PLANT GROWERS, INC	-10.00
TOTAL	
SUPERIOR OIL CO	
SUBJECT TO LONG TERM LEASE FROM	26.40
ISABELA J GRANZ	
SOLD TO MOBIL OIL CORP	-26.40
TOTAL	

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SWICK, PEGGY	5.50
SOLD TO HILARIO AND EMMA ALWAG	-5.50
TOTAL	
TEXACO, INC	
(NOW KNOWN AS TEXACO REFINING AND MARKETING, INC)	
TEXACO REFINING AND MARKETING, INC	3,432.00
(FORMERLY: TEXACO, INC)	
SOLD TO EQUILON ENTERPRISES, LLC	-3,432.00
TOTAL	
THAXTER, RALPH AND LOIS A LENOIR	3.50
SOLD TO KENICHI INOSE	-3.50
TOTAL	
THORPE, GREGORY	
SUCCESSOR IN PART TO ESTATE OF JOHN	11.80
GRANT	
SOLD TO DOMINGUEZ WATER CORP	-11.80
TOTAL	
THORPE, TERRENCE	
SUCCESSOR IN PART TO ESTATE OF JOHN	11.80
GRANT	
SOLD TO HILLSIDE MEMORIAL PARK	-11.80
TOTAL	
TIDEWATER OIL CO	
(SEE PHILLIPS PETROLEUM CO)	
TITLE, SIDNEY R AND CHARLOTTE W	
SUCCESSOR TO KEITH W AND OPAL B	13.60
SCHLAEGE L	
SOLD TO ABC NURSERY, INC	-13.60
TOTAL	
TORRANCE, CITY OF	2,519.00
SUCCESSOR TO BARCLAY HOLLANDER	3.33
CORP	
SUCCESSOR TO BARCLAY, RICHARD AND	
WATT, R A	59.96
SUCCESSOR TO BELVIDERE MUTUAL	33.40
WATER CO	
SUCCESSOR TO DENNIS, ESTHER M SHEETS	5.50
SUCCESSOR TO ALCAST FOUNDRY ET AL	7.20
SUCCESSOR TO GONZALES, GABRIELA AND	34.30
MARIA R	
SUCCESSOR TO JONES, ANNA MAE	50.20
SUCCESSOR TO MONETA WATER CO	916.00
SUCCESSOR TO MORAN, RONALD E	9.00
SUCCESSOR TO NORMANDIE PARK	136.82
SUCCESSOR TO TORRANCE UNIFIED	59.40
SCHOOL DISTRICT	
SUCCESSOR TO UNITED STATES STEEL	1,791.00
CORP	
SUCCESSOR TO WATT, R A, INC	13.75
TOTAL	
TORRANCE SAND AND GRAVEL CORP	
SUCCESSOR TO WESTON INVESTMENT CO	184.00
SOLD TO CHANDLERS PALOS VERDES SAND	-184.00
AND GRAVEL CORP	
TOTAL	
TORRANCE UNIFIED SCHOOL DISTRICT	
SUCCESSOR TO HILARIO S AND EMMA	59.40
ALWAG	
SOLD TO CITY OF TORRANCE	-59.40
TOTAL	
TOSCO CORP	
SUCCESSOR TO UNION OIL CO OF CALIF	6,170.00
MERGED INTO CONOCOPHILLIS COMPANY	-6,170.00
TOTAL	
TUNE, MATES, ET AL	
SUCCESSOR TO JOSEPHINE WATKINSON	3.10
SOLD TO B A WECHSLER	-3.10
TOTAL	
UNION NURSERY, INC	
SECOND WEST COAST BASIN JUDGMENT	4.70
SOLD TO CENTURY BUILDERS	-4.70
TOTAL	
UNION OIL CO OF CALIFORNIA	2,670.00
SUCCESSOR IN PART TO SHELL OIL CO	1,974.00
SUCCESSOR IN PART TO SHELL OIL CO	1,526.00
SOLD TO TOSCO CORP	-6,170.00
TOTAL	
UNITED CALIFORNIA BANK	
SUCCESSOR TO BALLMAN, ROSEMARY N	7.00
SOLD TO A B C NURSERY, INC	-2.00
SOLD TO NOZAKI, SUMIKICHI	-5.00
TOTAL	
UNITED STATES NAVY DEPARTMENT	1.70
LONG TERM LEASE TO MCDONNELL	-1.70
DOUGLAS CORP PER JUDGEMENT	
TOTAL	
UNITED STATES STEEL CORP	1,791.00
SOLD TO TORRANCE, CITY OF	-1,791.00
TOTAL	
VERBURG, WILLIAM AND CLARA B	6.70

<u>SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2004</u>		<u>SUCCESSION OF ADJUDICATED RIGHTS IN WEST COAST BASIN-JUNE 2004</u>
SOLD TO ABC NURSERY, INC	-6.70	
TOTAL		0.00
WADA, KAORU AND SATORU	12.20	
SOLD TO PACIFIC CREST CEMETERY CO	-12.20	
TOTAL		0.00
WATKINSON, JOSEPHINE	3.10	
SOLD TO MATES TUNE, ET AL	-3.10	
TOTAL		0.00
WATSON LAND CO	42.60	
SUCCESSOR IN PART TO DOMINGUEZ	37.60	
WATER CORP		
TOTAL		<u>80.20</u>
WATT INDUSTRIAL PROPERTIES		
SUCCESSOR TO WILLIAM LITTLE	0.10	<u>0.10</u>
WATT, R A, INC		
SUCCESSOR TO NED EWING, ET AL	6.50	
SUCCESSOR IN PART TO ISABELA J GRANZ	13.75	
ESTATE		
SUCCESSOR IN PART TO JOUGHIN	55.35	
TORRANCE RANCH		
SOLD TO DOMINGUEZ WATER CORP	-61.85	
SOLD TO CITY OF TORRANCE	-13.75	
TOTAL		0.00
WECHSLER, B A		
SUCCESSOR TO MATES TUNE, ET AL	3.10	
SOLD TO SPARKLETTS DRINKING WATER	-3.10	
CORP		
TOTAL		0.00
WESTERN WATER CO		
SUCCESSOR TO FLETCHER OIL AND	90.00	
REFINING CO		
SUCCESSOR TO SPARKLETTS DRINKING	152.60	
WATER CORP		
SOLD TO WESTERN WATER SERVICES CO	-242.60	
TOTAL		0.00
WESTERN WATER SERVICES CO		
SUCCESSOR TO WESTER WATER CO.	242.60	<u>242.60</u>
WESTON INVESTMENT CO	184.00	
SOLD TO TORRANCE SAND AND GRAVEL	-184.00	
CORP		
TOTAL		0.00
WISEBURN SCHOOL DISTRICT	8.20	<u>8.20</u>
WOODMAN, KATHERINE P		
(SEE FRED A JUNGQUIST)		
ZEIGLER, MAXWELL T	0.00	<u>0.00</u>
GRAND TOTAL	64,468.25	64,468.25

LEGEND

WEST COAST BASIN JUDGMENT-1961
 SECOND WEST COAST BASIN JUDGMENT
CURRENT WATER RIGHT HOLDERS

Appendix C – Ground Water Extractions

			PRODUCTION - WEST BASIN													
: STATE	: OWNERS	:	2003						2004						:	TOTAL
: WELL	: DESIG-	:													:	
: NUMBER	: NATION	:	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		
A B C NURSERY, INC																
7002																
03S/13W-29F11S	1		3.50	3.98	2.99	2.34	0.74	0.56	0.63	0.79	1.48	2.36	6.16	0.07	25.60	
ALLIED-SIGNAL, INC																
7003																
03S/14W-35M07S	NEW		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AMERICAN PLANT GROWERS, INC																
7010																
04S/13W-19J06S	829M		5.84	5.71	4.67	3.48	2.45	0.56	1.57	3.41	3.74	5.79	4.49	3.39	45.10	
ATLANTIC RICHFIELD CO																
7025																
04S/13W-16J05S	00013		137.46E	176.75E	171.08E	171.89E	164.65E	157.78E	151.07E	130.96E	135.09E	130.50E	153.99E	132.74E	1813.96	
04S/13W-16R02S	00011		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21H02S	00004		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21H05S	00007		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21H06S	00008		107.87E	108.61E	100.22E	97.40E	82.64E	60.86E	82.50E	72.28E	66.28E	3.68E	0.00	0.00	782.34	
04S/13W-21H07S	00012		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21J02S	00010		79.53E	75.92E	71.18E	70.37E	64.75E	62.87E	58.95E	49.07E	53.15E	51.15E	49.56E	44.26E	730.76	
04S/13W-22E01S	00005		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-22F01S	00009		25.49E	5.52E	0.00	0.00	83.92E	113.00E	111.78E	104.17E	111.32E	111.27E	115.73E	110.32E	892.52	
PARTY TOTALS:				366.80		339.66		394.51		356.48		296.60		287.32		
			350.35		342.48		395.96		404.30		365.84		319.28		4219.58	
ATLANTIC RICHFIELD CO (OIL RECOV)																
7026																
04S/13W-21L01S	3		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21L02S	4		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21P03S	1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-21P04S	2		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PARTY TOTALS:				0.00		0.00		0.00		0.00		0.00		0.00		
			0.00		0.00		0.00		0.00		0.00		0.00		0.00	

Appendix C – Ground Water Extractions

		PRODUCTION - WEST BASIN													
: STATE	: OWNERS :	2003						2004						: TOTAL	
: WELL	: DESIG- :														:
: NUMBER	: NATION :	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		
CALIFORNIA WATER SERVICE CO															
7050															
03S/14W-29H01S	30-01	82.15	79.73	75.06	65.76	63.45	59.75	29.81	0.00	0.22	72.09	77.11	67.32	672.45	
03S/14W-29J01S	22-01	112.89	110.00	110.44	111.91	101.62	103.38	62.07	0.00	0.56	101.07	114.03	104.49	1032.46	
03S/14W-32A02S	08-02	89.20	85.77	82.44	78.58	80.27	79.59	53.04	85.96	83.60	63.30	82.41	84.34	948.50	
PARTY TOTALS:			275.50		256.25		242.72		85.96		236.46		256.15		
		284.24		267.94		245.34		144.92		84.38		273.55		2653.41	
CA WTR SERVICE CO/HAWTHORNE LEASE															
7052															
03S/14W-09M01S	00013	0.06	0.00	0.00	0.00	0.14	5.74	0.00	5.12	17.08	41.46	0.00	7.96	77.56	
03S/14W-09N04S	00004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
03S/14W-09N05S	00012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
03S/14W-09P01S	00008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PARTY TOTALS:			0.00		0.00		5.74		5.12		41.46		7.96		
		0.06		0.00		0.14		0.00		17.08		0.00		77.56	
CA WATER SERVICE CO (DOMINGUEZ)															
7053															
04S/13W-11P02S	294-0	0.24	1.03	0.00	0.00	23.38	0.00	0.00	0.53	0.00	0.00	0.00	0.00	25.18	
04S/13W-15A06S	RCOMP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-15A11S	215-0	101.50	98.79	96.04	97.88	93.20	93.90	93.75	76.10	89.67	85.14	86.91	81.65	1094.53	
04S/13W-15A14S	298-0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-15B05S	215-0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-15F01S	277-0	145.97	144.87	52.40	0.00	85.08	162.77	165.21	144.24	155.60	145.05	156.17	147.17	1504.53	
04S/13W-17D02S	219-0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/13W-17D03S	219-0	236.25	236.20	227.74	229.82	218.59	115.39	188.75	166.23	156.49	125.00	95.39	0.00	1995.85	
04S/13W-20C01S	279-0	0.00	0.00	0.00	0.23	0.00	0.00	0.00	4.97	2.76	0.00	0.20	0.00	8.16	
04S/13W-29E06S	275-0	174.34	168.60	142.22	130.65	160.37	175.03	168.92	161.60	123.92	0.00	0.56	2.48	1408.69	
PARTY TOTALS:			649.49		458.58		547.09		553.67		355.19		231.30		
		658.30		518.40		580.62		616.63		528.44		339.23		6036.94	
CA WTR SERV CO (BREWER DESALTER)															
7054															
04S/14W-10D03S	232-0	0.20	0.00	0.09	0.19	0.08	0.15	0.08	0.13	0.11	0.02	0.20	0.01	1.26	
04S/14W-10D04S	232-0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Appendix C – Ground Water Extractions

		PRODUCTION - WEST BASIN													: TOTAL
: STATE	: OWNERS	2003					2004							:	
: WELL	: DESIG-													:	
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		
PARTY TOTALS:		0.20	0.00	0.09	0.19	0.08	0.15	0.08	0.13	0.11	0.02	0.20	0.01		1.26
CHANDLER PALOS VRDES SAND/GRAV CO															
7080															
04S/14W-35E06S	SIDEB	39.12	45.12	27.13	23.96	11.04	7.42	4.24	9.10	17.82	36.91	41.13	46.66		309.65
04S/14W-35F02S	PLANT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
PARTY TOTALS:		39.12	45.12	27.13	23.96	11.04	7.42	4.24	9.10	17.82	36.91	41.13	46.66		309.65
CONOCOPHILLIPS COMPANY															
7093															
04S/13W-21R01S	WI002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
04S/13W-21R10S	WI004	207.37E	211.02E	203.30E	208.48E	199.34E	200.67E	191.07E	178.81E	194.19E	187.76E	189.37E	182.96E		2354.34
04S/13W-31N03S	LA005	179.63E	183.13E	177.19E	179.49E	171.68E	166.55E	144.04E	135.79E	141.89E	130.92E	121.61E	96.67E		1828.59
04S/13W-31N04S	LA006	86.53E	93.81E	100.93E	102.35E	95.64E	83.09E	71.66E	50.52E	53.88E	45.50E	21.71E	47.99E		853.61
PARTY TOTALS:		473.53	487.96	481.42	490.32	466.66	450.31	406.77	365.12	389.96	364.18	332.69	327.62		5036.54
DESSER ENTERPRISES															
7113															
04S/13W-15Q01S	878H	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E	0.35E		4.20
EVERGREEN AMERICA CORP															
7165															
03S/13W-29C08S	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00
FUJIMOTO, SR + ST + JK															
7201															
03S/13W-30A10S	00001	0.93	1.05	0.53	0.44	0.00	0.00	0.16	0.47	0.87	1.20	1.24	0.95		7.84
HILLSIDE MEMORIAL PARK															
7270															
02S/14W-19K04S	3	12.15E	11.82E	11.22E	2.23E	1.57E	5.44E	6.70E	2.43E	6.98E	10.00E	12.20E	14.54E		97.28

Appendix C – Ground Water Extractions

PRODUCTION - WEST BASIN														
: STATE	: OWNERS	2003						2004						: TOTAL
: WELL	: DESIG-													:
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
INGLEWOOD, CITY OF														
7310														
03S/14W-03D03S	6										210.65	425.05	400.28	1035.98
03S/14W-10F02S	4	184.13	175.14	148.23	65.59	95.65	182.63	163.27	138.94	163.07	160.13	152.86	132.13	1761.77
03S/14W-10G03S	1	127.06	126.12	99.74	97.41	136.63	114.94	93.15	103.32	102.69	59.68	0.00	0.00	1060.74
03S/14W-10G04S	2	116.96	113.14	96.84	101.07	86.55	109.57	108.20	108.38	101.10	120.90	118.01	109.84	1290.56
PARTY TOTALS:			414.40		264.07		407.14		350.64		551.36		642.25	
		428.15		344.81		318.83		364.62		366.86		695.92		5149.05
INGLEWOOD PARK CEMETERY														
7312														
02S/14W-27M01S	IP17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02S/14W-27N02S	00021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02S/14W-27N03S	00022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTY TOTALS:			0.00		0.00		0.00		0.00		0.00		0.00	
		0.00		0.00		0.00		0.00		0.00		0.00		0.00
LOS ANGELES, CITY OF														
7410														
04S/13W-30G01S	0310C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/13W-30G03S	0320E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/13W-30K01S	0320C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04S/13W-31E01S	MP001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PARTY TOTALS:			0.00		0.00		0.00		0.00		0.00		0.00	
		0.00		0.00		0.00		0.00		0.00		0.00		0.00
LOS ANGELES COUNTY ALONDRA PARK														
7420														
03S/14W-27C01S	00761	0.00	0.00	0.00	0.00	0.00	0.00	17.90	15.93	26.30	0.00	2.25	0.00	62.38
LOS ANGELES COUNTY SANITN DIST 2														
7440														
04S/13W-30C01S	00819	18.93	15.97	11.57	9.48	7.98	1.96	0.00	0.00	0.00	16.50	32.86	39.89	155.14

Appendix C – Ground Water Extractions

		PRODUCTION - WEST BASIN													
: STATE	: OWNERS	2003					2004							: TOTAL	
: WELL	: DESIG-														:
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		
LOMITA,CITY OF WATER SYSTEM															
7450															
04S/14W-35E07S	00005	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	
LA COUNTY CHESTER WASHINGTON GOLF															
7470															
03S/14W-11J02S	1397C	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
MANHATTAN BEACH, CITY OF															
7490															
03S/14W-29C03S	15	31.97	94.79	48.82	0.67	6.43	80.57	0.00	0.00	0.00	0.00	0.00	0.00	263.25	
03S/14W-29D05S	11A	98.01	98.74	135.28	137.78	36.70	61.56	49.39	22.31	26.70	55.87	76.11	131.51	929.96	
PARTY TOTALS:			193.53		138.45		142.13		22.31		55.87		131.51		
		129.98		184.10		43.13		49.39		26.70		76.11		1193.21	
MOBIL OIL CORP															
7510															
04S/14W-03L07S	T0007	47.23E	0.00	0.00	22.09E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.32	
04S/14W-03M01S	T0006	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
09S/09W-99R99S	72D-1	18.84E	78.40E	93.10E	48.90E	35.56E	101.25E	96.11E	88.84E	103.77E	102.76E	113.72E	95.00E	976.25	
PARTY TOTALS:			78.40		70.99		101.25		88.84		102.76		95.00		
		66.07		93.10		35.56		96.11		103.77		113.72		1045.57	
MOBIL OIL CORP (OIL RECOVERY)															
7511															
	EW-6	0.00	0.00	0.00	0.00	0.00	1.10E	2.04E	2.10E	1.55E	1.35E	0.65E	0.43E	9.22	
04S/14W-02F01S	EW-5	19.27E	8.07E	3.92E	0.33E	10.54E	5.16E	6.25E	5.47E	4.61E	4.15E	2.41E	6.27E	76.45	
04S/14W-02L01S	EW-2	24.71E	10.57E	4.03E	5.09E	9.05E	5.55E	6.62E	5.81E	4.79E	4.30E	2.57E	6.69E	89.78	
04S/14W-02L02S	EW-3	18.21E	8.06E	4.05E	3.14E	6.50E	4.77E	5.55E	4.88E	4.03E	3.63E	2.09E	5.07E	69.98	
04S/14W-02L03S	EW-4	19.55E	9.17E	5.05E	4.25E	9.00E	4.60E	5.56E	4.86E	4.11E	3.67E	2.13E	5.08E	77.03	
04S/14W-02M01S	RW-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-02M02S	RW-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-02M03S	RW-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-02M04S	EW-1	18.74E	9.17E	5.04E	3.48E	9.03E	5.54E	6.57E	5.78E	4.81E	4.30E	2.54E	6.16E	81.16	
PARTY TOTALS:			45.04		16.29		26.72		28.90		21.40		29.70		
		100.48		22.09		44.12		32.59		23.90		12.39		403.62	

Appendix C – Ground Water Extractions

		PRODUCTION - WEST BASIN														
: STATE	: OWNERS	2003						2004						:	TOTAL	
: WELL	: DESIG-													:		
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN			
PACIFIC CREST CEMETERY CO																
7580																
03S/14W-33E01S	00743	6.64	7.49	4.20	4.77	1.33	1.53	1.31	1.28	2.53	5.56	6.77	7.33	50.74		
RHODIA, INC																
7623																
04S/13W-10C02S	D001A	40.73	43.80	36.51	36.55	31.43	34.64	43.20	36.54	43.95	40.63	45.07	10.78	443.83		
ROMAN CATHOLIC ARCHBISHOP OF L A																
7659																
02S/14W-18J01S	AA	47.46	49.06	47.73	27.84	8.22	7.59	1.66	6.71	22.95	26.71	40.60	53.36	339.89		
02S/14W-18Q01S	HOLYX	8.65	7.24	1.98	4.21	0.90	0.83	0.04	0.00	1.29	2.80	6.68	2.06	36.68		
02S/14W-18Q02S	HOLY1	1.95	1.74	2.05	0.11	0.00	1.39	1.81	0.92	0.42	2.00	2.98	2.32	17.69		
PARTY TOTALS:																
		58.06	58.04	51.76	32.16	9.12	9.81	3.51	7.63	24.66	31.51	50.26	57.74	394.26		
SHELL OIL PRODUCTS US																
7703																
04S/13W-22F02S	HA001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
04S/13W-22F07S	SRP12	37.57E	41.66E	38.23E	34.41E	28.94E	35.63E	23.97E	27.30E	40.29E	37.71E	41.51E	43.09E	430.31		
04S/13W-27M05S	SHE09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
04S/13W-27N05S	SHE08	0.00	0.00	0.00										0.00		
04S/13W-27N06S	SHE12	260.79E	223.25E	185.81E	185.81E	181.05E	197.04E	190.65E	165.80E	208.79E	153.79E	183.62E	180.59E	2316.99		
04S/13W-34F07S	SHE11	248.98E	223.21E	229.07E	229.12E	223.88E	216.80E	210.12E	185.45E	203.42E	153.28E	189.99E	202.75E	2516.07		
PARTY TOTALS:																
		547.34	488.12	453.11	449.34	433.87	449.47	424.74	378.55	452.50	344.78	415.12	426.43	5263.37		
SOUTHERN CALIFORNIA EDISON CO																
7720																
03S/14W-34B02S	FRESA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
03S/14W-34N04S	SCECO	2.91	3.02	3.00	1.15	1.61	1.31	0.91	1.07	1.29	1.61	2.38	3.70	23.96		
04S/13W-14A07S	MORR1	0.20E	0.11E	0.32E	0.07E	0.08E	0.04E	0.08E	0.02E	1.03E	0.22E	0.00	0.20E	2.37		
04S/13W-27A02S	HANSN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
PARTY TOTALS:																
		3.11	3.13	3.32	1.22	1.69	1.35	0.99	1.09	2.32	1.83	2.38	3.90	26.33		

Appendix C – Ground Water Extractions

		PRODUCTION - WEST BASIN													
: STATE	: OWNERS :	2003						2004						: TOTAL	
: WELL	: DESIG- :														:
: NUMBER	: NATION :	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		
SOUTHERN CALIFORNIA WATER CO															
7730															
03S/14W-02Q01S	TRUR4	91.74	93.80	89.68	22.04	0.00	0.54	0.00	0.00	2.89	0.00	0.00	0.10	300.79	
03S/14W-03K01S	YU001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
03S/14W-03K02S	YU002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
03S/14W-03K04S	YU005	0.34	0.00	0.00	6.62	0.00	0.74	0.01	0.00	3.55	33.16	158.16	148.14	350.72	
03S/14W-03L02S	YU004	132.79	129.71	122.44	125.44	118.11	105.25	0.26	0.00	0.00	0.00	31.28	80.37	845.65	
03S/14W-13B02S	BA003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
03S/14W-13B03S	BA004	135.35	138.24	133.28	137.47	128.55	117.75	0.00	0.01	0.00	70.06	140.29	132.75	1133.75	
03S/14W-13J09S	S0005	126.72	125.90	119.84	127.35	122.54	127.42	128.91	121.63	129.76	125.08	129.19	125.80	1510.14	
03S/14W-13J10S	S0006	104.25	102.11	97.70	99.20	92.93	96.33	99.18	91.63	101.40	96.70	97.03	91.52	1169.98	
03S/14W-14A01S	ELSE1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
03S/14W-14D02S	129#2	148.54	140.74	149.14	145.86	149.78	144.34	141.02	140.16	144.12	148.17	152.47	146.90	1751.24	
03S/14W-15B03S	GOLDM	144.11	145.56	139.37	130.84	90.70	142.61	135.62	129.46	136.10	129.31	130.78	123.68	1578.14	
03S/14W-15P01S	DOTY1	106.59	105.63	98.78	100.93	24.85	0.00	98.45	97.07	105.03	101.53	102.40	95.79	1037.05	
03S/14W-15P02S	DOTY2	101.78	102.23	97.66	100.22	96.39	99.06	104.38	98.99	105.84	106.19	108.28	103.08	1224.10	
03S/14W-21M01S	CH001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
03S/14W-22K01S	CERIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
03S/14W-22L01S	CD001	52.48	51.99	46.99	49.58	48.03	48.72	47.05	41.49	44.87	43.13	43.62	42.12	560.07	
03S/14W-22Q01S	0015B	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.05	0.50	
03S/14W-25P04S	DA001	54.32	53.53	50.54	51.43	46.69	49.27	48.27	44.62	48.12	46.53	47.30	46.04	586.66	
PARTY TOTALS:		1199.22	1189.44	1145.42	1096.98	918.57	932.03	803.15	765.30	821.68	899.86	1140.80	1136.34	12048.79	
TORRANCE, CITY OF															
7850															
03S/14W-34C02S	6	151.73	152.26	169.59	166.43	38.40	161.08	155.66	148.64	153.01	154.04	148.49	74.18	1673.51	
04S/14W-10K02S	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-10K03S	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
04S/14W-14K01S	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PARTY TOTALS:		151.73	152.26	169.59	166.43	38.40	161.08	155.66	148.64	153.01	154.04	148.49	74.18	1673.51	

Appendix C – Ground Water Extractions

PRODUCTION - WEST BASIN														
: STATE	: OWNERS	2003					2004					:	TOTAL	
: WELL	: DESIG-											:		
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
WATER REPLENISHMENT DIST OF SO CA														
7917														
04S/14W-09A01S	MAD-2	252.67E	261.13E	258.67E	197.04E	253.91	258.57	261.67	228.41	263.54	230.59	218.89	232.78	2917.87
BASIN TOTALS:		4798.53		4061.57		4182.53		3457.09		3807.21		4064.15		
		4831.69		4435.60		3842.89		3841.19		3728.77		4291.55		49342.77

PRODUCTION - SMALL PRODUCERS														
: STATE	: OWNERS	2003					2004					:	TOTAL	
: WELL	: DESIG-											:		
: NUMBER	: NATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
CARSON AUTO, INC														
7058														
04S/13W-15K05S				0.00			0.00			0.00			0.00	0.00
BASIN TOTALS:		0.00		0.00		0.00		0.00		0.00		0.00		
		0.00		0.00		0.00		0.00		0.00		0.00		0.00

Wb_16-aug-2004

APPENDIX D. CHANGE IN WELL STATUS

Party	Recordation Number	State Well No.	Owner Designation
<u>New Wells</u>			
Water Replenishment District of Southern California (Completed in April 2000)	1909944	04S/14W-16E002S	2
<u>Destroyed Wells</u>			
Equilon Enterprises, Sold to Shell Oil Products US in 2003 (Destroyed in December 2001)	1900050	04S/13W-27N001S	7
Equilon Enterprises, Sold to Shell Oil Products US in 2003 (Destroyed in November 2001)	1909525	04S/13W-27N005S	8
Evergreen America (Destroyed in March 2004)	1909440	03S/13W-29C008S	AG. Well 1
Southern California Water Company (Destroyed in July 2001)	1902186	03S/14W-03K001S	Yukon #1
Southern California Water Company (Destroyed in July 2001)	1902187	03S/14W-03K002S	Yukon #2

